GSM TELEPHONE

GT-i9023T

SERVICE Manual

GSM TELEPHONE

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5. MAIN Electrical Parts List

Design LOG	SEC CODE	Discription
D501	0403-001688	DIODE-ZENER
ZD703	0403-001688	DIODE-ZENER
D701	0404-001646	DIODE-SCHOTTKY
U704	0406-001369	DIODE-TVS
ZD300	0406-001446	DIODE-TVS
ZD500	0406-001446	DIODE-TVS
ZD600	0406-001446	DIODE-TVS
ZD601	0406-001446	DIODE-TVS
ZD602	0406-001446	DIODE-TVS
ZD603	0406-001446	DIODE-TVS
ZD605	0406-001446	DIODE-TVS
ZD606	0406-001446	DIODE-TVS
ZD609	0406-001446	DIODE-TVS
ZD610	0406-001446	DIODE-TVS
ZD611	0406-001446	DIODE-TVS
ZD612	0406-001446	DIODE-TVS
ZD613	0406-001446	DIODE-TVS
ZD800	0406-001446	DIODE-TVS
ZD801	0406-001446	DIODE-TVS
ZD802	0406-001446	DIODE-TVS
D500	0407-001002	DIODE-ARRAY
Q700	0504-001138	TR-DIGITAL
LED700	0601-002779	LED
U300	0801-003139	IC-CMOS LOGIC
U304	0801-003227	IC-CMOS LOGIC
UCP400	0902-002582	IC-MICROPROCESSOR
U600	1001-001459	IC-ANALOG SWITCH
U703	1001-001580	IC-ANALOG MULTIPLEX
U804	1003-002047	IC-MOTOR DRIVER
U400	1003-002216	IC-LEVEL DRIVER
U302	1003-002352	IC-LEVEL DRIVER
U604	1003-002352	IC-LEVEL DRIVER
U303	1107-001937	IC-NAND FLASH
U107	1201-003091	IC-POWER AMP

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Design LOG	SEC CODE	Discription
U108	1201-003092	IC-POWER AMP
PAM100	1201-003144	IC-RF AMP
U202	1201-003168	IC-RF AMP
U100	1201-003177	IC-RF AMP
U103	1201-003180	IC-POWER AMP
U606	1202-001036	IC-VOLTAGE COMP.
U700	1203-004339	IC-MULTI REG.
U301	1203-004524	IC-MULTI REG.
U104	1203-004819	IC-POSI.FIXED REG.
U601	1203-004819	IC-POSI.FIXED REG.
U603	1203-004819	IC-POSI.FIXED REG.
U608	1203-004819	IC-POSI.FIXED REG.
U701	1203-004819	IC-POSI.FIXED REG.
U705	1203-004845	IC-DC/DC CONVERTER
U803	1203-004925	IC-POSI.FIXED REG.
U502	1203-005772	IC-VOL. DETECTOR
U702	1203-006025	IC-DC/DC CONVERTER
U105	1203-006159	IC-DC/DC CONVERTER
U501	1203-006186	IC-POWER SUPERVISOR
U602	1205-003943	IC-CODEC
U101	1205-003949	IC-TRANSCEIVER
U201	1205-003966	IC-RECEIVER
UCP300	1205-003993	IC-MODEM
U800	1209-001872	IC-SENSOR
U801	1209-001922	IC-SENSOR
U805	1209-001997	IC-SENSOR
U109	1209-001998	IC-SENSOR
TH300	1404-001221	THERMISTOR-NTC
TH400	1404-001221	THERMISTOR-NTC
V700	1405-001177	VARISTOR
V701	1405-001177	VARISTOR
V702	1405-001177	VARISTOR
V703	1405-001177	VARISTOR
V704	1405-001177	VARISTOR
ZD604	1405-001296	VARISTOR

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Design LOG	SEC CODE	Discription
ZD607	1405-001296	VARISTOR
ZD608	1405-001296	VARISTOR
R800	2007-000162	R-CHIP
R325	2007-000167	R-CHIP
R604	2007-000172	R-CHIP
R613	2007-000172	R-CHIP
R701	2007-000172	R-CHIP
R618	2007-000242	R-CHIP
R601	2007-001298	R-CHIP
R612	2007-001298	R-CHIP
R320	2007-003018	R-CHIP
R110	2007-003029	R-CHIP
R506	2007-007307	R-CHIP
R507	2007-007307	R-CHIP
R628	2007-007585	R-CHIP
R806	2007-007592	R-CHIP
R704	2007-007798	R-CHIP
R705	2007-007875	R-CHIP
R713	2007-007943	R-CHIP
R321	2007-008045	R-CHIP
R322	2007-008045	R-CHIP
R422	2007-008045	R-CHIP
R469	2007-008045	R-CHIP
R470	2007-008045	R-CHIP
R619	2007-008045	R-CHIP
R620	2007-008045	R-CHIP
R625	2007-008045	R-CHIP
R708	2007-008045	R-CHIP
R400	2007-008052	R-CHIP
R437	2007-008052	R-CHIP
R208	2007-008055	R-CHIP
R323	2007-008055	R-CHIP
R441	2007-008055	R-CHIP
R442	2007-008055	R-CHIP
R444	2007-008055	R-CHIP

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R445	2007-008055	R-CHIP
R447	2007-008055	R-CHIP
R448	2007-008055	R-CHIP
R457	2007-008055	R-CHIP
R501	2007-008055	R-CHIP
R502	2007-008055	R-CHIP
R503	2007-008055	R-CHIP
R706	2007-008055	R-CHIP
R707	2007-008055	R-CHIP
R602	2007-008211	R-CHIP
R603	2007-008211	R-CHIP
R312	2007-008312	R-CHIP
R100	2007-008419	R-CHIP
R401	2007-008419	R-CHIP
R402	2007-008419	R-CHIP
R414	2007-008419	R-CHIP
R415	2007-008419	R-CHIP
R416	2007-008419	R-CHIP
R417	2007-008419	R-CHIP
R418	2007-008419	R-CHIP
R419	2007-008419	R-CHIP
R449	2007-008419	R-CHIP
R450	2007-008419	R-CHIP
R453	2007-008419	R-CHIP
R454	2007-008419	R-CHIP
R459	2007-008419	R-CHIP
R460	2007-008419	R-CHIP
R461	2007-008419	R-CHIP
R462	2007-008419	R-CHIP
R111	2007-008486	R-CHIP
R508	2007-008502	R-CHIP
R202	2007-008516	R-CHIP
R203	2007-008516	R-CHIP
R204	2007-008516	R-CHIP
R205	2007-008516	R-CHIP

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Design LOG	SEC CODE	Discription
R206	2007-008516	R-CHIP
R311	2007-008516	R-CHIP
R328	2007-008516	R-CHIP
R423	2007-008516	R-CHIP
R424	2007-008516	R-CHIP
R429	2007-008516	R-CHIP
R432	2007-008516	R-CHIP
R433	2007-008516	R-CHIP
R435	2007-008516	R-CHIP
R438	2007-008516	R-CHIP
R458	2007-008516	R-CHIP
R464	2007-008516	R-CHIP
R465	2007-008516	R-CHIP
R466	2007-008516	R-CHIP
R504	2007-008516	R-CHIP
R505	2007-008516	R-CHIP
R615	2007-008516	R-CHIP
R616	2007-008516	R-CHIP
R702	2007-008516	R-CHIP
R709	2007-008516	R-CHIP
R714	2007-008516	R-CHIP
R808	2007-008516	R-CHIP
R463	2007-008531	R-CHIP
R606	2007-008531	R-CHIP
R607	2007-008531	R-CHIP
R314	2007-008588	R-CHIP
R315	2007-008588	R-CHIP
R316	2007-008588	R-CHIP
R711	2007-008774	R-CHIP
R712	2007-008774	R-CHIP
R108	2007-008806	R-CHIP
R207	2007-008806	R-CHIP
R500	2007-008809	R-CHIP
R624	2007-009084	R-CHIP
R627	2007-009084	R-CHIP

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Design LOG	SEC CODE	Discription
R313	2007-009157	R-CHIP
R317	2007-009157	R-CHIP
R408	2007-009157	R-CHIP
R409	2007-009157	R-CHIP
R302	2007-009171	R-CHIP
R303	2007-009171	R-CHIP
R304	2007-009171	R-CHIP
R305	2007-009171	R-CHIP
R306	2007-009171	R-CHIP
R307	2007-009171	R-CHIP
R308	2007-009171	R-CHIP
R309	2007-009171	R-CHIP
R102	2007-009212	R-CHIP
R327	2007-009323	R-CHIP
R617	2007-009408	R-CHIP
R103	2007-009801	R-CHIP
R104	2007-009801	R-CHIP
R201	2007-009801	R-CHIP
R710	2007-009801	R-CHIP
R455	2007-009964	R-CHIP
R456	2007-009964	R-CHIP
R404	2007-010029	R-CHIP
R614	2007-009206	R-CHIP
C538	2203-000254	C-CER,CHIP
C227	2203-000278	C-CER,CHIP
C515	2203-000386	C-CER,CHIP
C536	2203-000386	C-CER,CHIP
C633	2203-000425	C-CER,CHIP
C643	2203-000425	C-CER,CHIP
C644	2203-000425	C-CER,CHIP
C329	2203-000627	C-CER,CHIP
C330	2203-000627	C-CER,CHIP
C806	2203-000725	C-CER,CHIP
C632	2203-001153	C-CER,CHIP
C637	2203-001153	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C208	2203-002668	C-CER,CHIP
C134	2203-002709	C-CER,CHIP
C426	2203-005138	C-CER,CHIP
C117	2203-005234	C-CER,CHIP
C205	2203-005288	C-CER,CHIP
C174	2203-005552	C-CER,CHIP
C102	2203-005682	C-CER,CHIP
C125	2203-005682	C-CER,CHIP
C127	2203-005682	C-CER,CHIP
C128	2203-005682	C-CER,CHIP
C129	2203-005682	C-CER,CHIP
C135	2203-005682	C-CER,CHIP
C137	2203-005682	C-CER,CHIP
C140	2203-005682	C-CER,CHIP
C141	2203-005682	C-CER,CHIP
C189	2203-005682	C-CER,CHIP
C190	2203-005682	C-CER,CHIP
C191	2203-005682	C-CER,CHIP
C339	2203-005682	C-CER,CHIP
C104	2203-005683	C-CER,CHIP
C710	2203-005719	C-CER,CHIP
C221	2203-005725	C-CER,CHIP
C123	2203-005727	C-CER,CHIP
C130	2203-005729	C-CER,CHIP
C101	2203-005731	C-CER,CHIP
C121	2203-005731	C-CER,CHIP
C126	2203-005732	C-CER,CHIP
C719	2203-005732	C-CER,CHIP
C159	2203-005736	C-CER,CHIP
C161	2203-005736	C-CER,CHIP
C162	2203-005736	C-CER,CHIP
C169	2203-005736	C-CER,CHIP
C172	2203-005736	C-CER,CHIP
C177	2203-005736	C-CER,CHIP
C178	2203-005736	C-CER,CHIP

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C183	2203-005736	C-CER,CHIP
C184	2203-005736	C-CER,CHIP
C185	2203-005736	C-CER,CHIP
C186	2203-005736	C-CER,CHIP
C709	2203-005740	C-CER,CHIP
C103	2203-005777	C-CER,CHIP
C153	2203-005777	C-CER,CHIP
C157	2203-005777	C-CER,CHIP
C158	2203-005777	C-CER,CHIP
C176	2203-005777	C-CER,CHIP
C156	2203-005806	C-CER,CHIP
C171	2203-005806	C-CER,CHIP
C180	2203-005806	C-CER,CHIP
C202	2203-006048	C-CER,CHIP
C604	2203-006048	C-CER,CHIP
C222	2203-006120	C-CER,CHIP
C120	2203-006123	C-CER,CHIP
C421	2203-006133	C-CER,CHIP
C422	2203-006133	C-CER,CHIP
C107	2203-006194	C-CER,CHIP
C108	2203-006194	C-CER,CHIP
C109	2203-006194	C-CER,CHIP
C110	2203-006194	C-CER,CHIP
C111	2203-006194	C-CER,CHIP
C112	2203-006194	C-CER,CHIP
C114	2203-006194	C-CER,CHIP
C115	2203-006194	C-CER,CHIP
C116	2203-006194	C-CER,CHIP
C188	2203-006194	C-CER,CHIP
C223	2203-006194	C-CER,CHIP
C305	2203-006194	C-CER,CHIP
C166	2203-006208	C-CER,CHIP
C218	2203-006208	C-CER,CHIP
C219	2203-006208	C-CER,CHIP
C516	2203-006208	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C517	2203-006208	C-CER,CHIP
C518	2203-006208	C-CER,CHIP
C519	2203-006208	C-CER,CHIP
C319	2203-006260	C-CER,CHIP
C327	2203-006260	C-CER,CHIP
C427	2203-006305	C-CER,CHIP
C175	2203-006318	C-CER,CHIP
C501	2203-006348	C-CER,CHIP
C119	2203-006399	C-CER,CHIP
C520	2203-006399	C-CER,CHIP
C521	2203-006399	C-CER,CHIP
C523	2203-006399	C-CER,CHIP
C524	2203-006399	C-CER,CHIP
C525	2203-006399	C-CER,CHIP
C527	2203-006399	C-CER,CHIP
C528	2203-006399	C-CER,CHIP
C529	2203-006399	C-CER,CHIP
C530	2203-006399	C-CER,CHIP
C531	2203-006399	C-CER,CHIP
C532	2203-006399	C-CER,CHIP
C533	2203-006399	C-CER,CHIP
C534	2203-006399	C-CER,CHIP
C535	2203-006399	C-CER,CHIP
C543	2203-006399	C-CER,CHIP
C122	2203-006423	C-CER,CHIP
C138	2203-006423	C-CER,CHIP
C303	2203-006423	C-CER,CHIP
C309	2203-006423	C-CER,CHIP
C314	2203-006423	C-CER,CHIP
C316	2203-006423	C-CER,CHIP
C335	2203-006423	C-CER,CHIP
C336	2203-006423	C-CER,CHIP
C401	2203-006423	C-CER,CHIP
C408	2203-006423	C-CER,CHIP
C413	2203-006423	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C415	2203-006423	C-CER,CHIP
C419	2203-006423	C-CER,CHIP
C600	2203-006423	C-CER,CHIP
C608	2203-006423	C-CER,CHIP
C609	2203-006423	C-CER,CHIP
C638	2203-006423	C-CER,CHIP
C720	2203-006423	C-CER,CHIP
C800	2203-006462	C-CER,CHIP
C320	2203-006474	C-CER,CHIP
C328	2203-006474	C-CER,CHIP
C131	2203-006562	C-CER,CHIP
C163	2203-006562	C-CER,CHIP
C216	2203-006562	C-CER,CHIP
C331	2203-006562	C-CER,CHIP
C404	2203-006562	C-CER,CHIP
C500	2203-006562	C-CER,CHIP
C502	2203-006562	C-CER,CHIP
C513	2203-006562	C-CER,CHIP
C514	2203-006562	C-CER,CHIP
C522	2203-006562	C-CER,CHIP
C526	2203-006562	C-CER,CHIP
C605	2203-006562	C-CER,CHIP
C606	2203-006562	C-CER,CHIP
C610	2203-006562	C-CER,CHIP
C611	2203-006562	C-CER,CHIP
C612	2203-006562	C-CER,CHIP
C613	2203-006562	C-CER,CHIP
C616	2203-006562	C-CER,CHIP
C617	2203-006562	C-CER,CHIP
C627	2203-006562	C-CER,CHIP
C634	2203-006562	C-CER,CHIP
C635	2203-006562	C-CER,CHIP
C645	2203-006562	C-CER,CHIP
C805	2203-006562	C-CER,CHIP
C807	2203-006562	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C143	2203-006611	C-CER,CHIP
C149	2203-006611	C-CER,CHIP
C150	2203-006611	C-CER,CHIP
C151	2203-006611	C-CER,CHIP
C201	2203-006642	C-CER,CHIP
C406	2203-006642	C-CER,CHIP
C416	2203-006642	C-CER,CHIP
C182	2203-006665	C-CER,CHIP
C420	2203-006668	C-CER,CHIP
C722	2203-006681	C-CER,CHIP
C723	2203-006681	C-CER,CHIP
C803	2203-006681	C-CER,CHIP
C100	2203-006707	C-CER,CHIP
C209	2203-006824	C-CER,CHIP
C217	2203-006824	C-CER,CHIP
C504	2203-006824	C-CER,CHIP
C164	2203-006839	C-CER,CHIP
C224	2203-006839	C-CER,CHIP
C225	2203-006839	C-CER,CHIP
C311	2203-006839	C-CER,CHIP
C313	2203-006839	C-CER,CHIP
C400	2203-006839	C-CER,CHIP
C425	2203-006839	C-CER,CHIP
C428	2203-006839	C-CER,CHIP
C429	2203-006839	C-CER,CHIP
C512	2203-006839	C-CER,CHIP
C541	2203-006839	C-CER,CHIP
C808	2203-006839	C-CER,CHIP
C537	2203-006841	C-CER,CHIP
C539	2203-006841	C-CER,CHIP
C712	2203-006841	C-CER,CHIP
C203	2203-006872	C-CER,CHIP
C204	2203-006872	C-CER,CHIP
C207	2203-006872	C-CER,CHIP
C215	2203-006872	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C220	2203-006872	C-CER,CHIP
C624	2203-006872	C-CER,CHIP
C628	2203-006872	C-CER,CHIP
C629	2203-006872	C-CER,CHIP
C132	2203-006979	C-CER,CHIP
C133	2203-006979	C-CER,CHIP
C810	2203-006979	C-CER,CHIP
C136	2203-007133	C-CER,CHIP
C106	2203-007210	C-CER,CHIP
C301	2203-007210	C-CER,CHIP
C304	2203-007210	C-CER,CHIP
C308	2203-007210	C-CER,CHIP
C323	2203-007210	C-CER,CHIP
C334	2203-007210	C-CER,CHIP
C711	2203-007210	C-CER,CHIP
C154	2203-007270	C-CER,CHIP
C165	2203-007270	C-CER,CHIP
C168	2203-007270	C-CER,CHIP
C179	2203-007270	C-CER,CHIP
C200	2203-007270	C-CER,CHIP
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C326	2203-007270	C-CER,CHIP
C503	2203-007270	C-CER,CHIP
C315	2203-007271	C-CER,CHIP
C317	2203-007271	C-CER,CHIP
C337	2203-007271	C-CER,CHIP
C403	2203-007271	C-CER,CHIP
C414	2203-007271	C-CER,CHIP
C418	2203-007271	C-CER,CHIP
C430	2203-007271	C-CER,CHIP
C540	2203-007271	C-CER,CHIP
C700	2203-007271	C-CER,CHIP
C701	2203-007271	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C702	2203-007271	C-CER,CHIP
C717	2203-007271	C-CER,CHIP
C721	2203-007271	C-CER,CHIP
C802	2203-007271	C-CER,CHIP
C804	2203-007271	C-CER,CHIP
C409	2203-007317	C-CER,CHIP
C410	2203-007317	C-CER,CHIP
C417	2203-007317	C-CER,CHIP
C607	2203-007317	C-CER,CHIP
C626	2203-007317	C-CER,CHIP
C630	2203-007317	C-CER,CHIP
C639	2203-007317	C-CER,CHIP
C715	2203-007317	C-CER,CHIP
C716	2203-007317	C-CER,CHIP
C811	2203-007391	C-CER,CHIP
C601	2203-007393	C-CER,CHIP
C603	2203-007393	C-CER,CHIP
C703	2203-007393	C-CER,CHIP
C704	2203-007393	C-CER,CHIP
C705	2203-007393	C-CER,CHIP
C706	2203-007393	C-CER,CHIP
C707	2203-007393	C-CER,CHIP
C708	2203-007393	C-CER,CHIP
C801	2203-007393	C-CER,CHIP
C809	2203-007393	C-CER,CHIP
C300	2203-007449	C-CER,CHIP
C302	2203-007449	C-CER,CHIP
C306	2203-007449	C-CER,CHIP
C307	2203-007449	C-CER,CHIP
C318	2203-007449	C-CER,CHIP
C321	2203-007449	C-CER,CHIP
C322	2203-007449	C-CER,CHIP
C324	2203-007449	C-CER,CHIP
C332	2203-007449	C-CER,CHIP
C333	2203-007449	C-CER,CHIP

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Design LOG	SEC CODE	Discription
C338	2203-007449	C-CER,CHIP
C402	2203-007449	C-CER,CHIP
C405	2203-007449	C-CER,CHIP
C407	2203-007449	C-CER,CHIP
C411	2203-007449	C-CER,CHIP
C412	2203-007449	C-CER,CHIP
C602	2203-007449	C-CER,CHIP
C622	2203-007449	C-CER,CHIP
C646	2203-007449	C-CER,CHIP
C713	2203-007634	C-CER,CHIP
C718	2203-007693	C-CER,CHIP
TA500	2404-001339	C-TA,CHIP
TA501	2404-001339	C-TA,CHIP
TA502	2404-001339	C-TA,CHIP
TA503	2404-001339	C-TA,CHIP
TA504	2404-001339	C-TA,CHIP
TA505	2404-001506	C-TA,CHIP
TA601	2404-001506	C-TA,CHIP
TA600	2404-001561	C-TA,CHIP
L610	2703-001206	INDUCTOR-SMD
L206	2703-001734	INDUCTOR-SMD
L101	2703-002176	INDUCTOR-SMD
L802	2703-002309	INDUCTOR-SMD
L803	2703-002309	INDUCTOR-SMD
L102	2703-002842	INDUCTOR-SMD
L112	2703-002842	INDUCTOR-SMD
L800	2703-002842	INDUCTOR-SMD
L801	2703-002842	INDUCTOR-SMD
L122	2703-002858	INDUCTOR-SMD
L123	2703-002858	INDUCTOR-SMD
L702	2703-002862	INDUCTOR-SMD
L115	2703-002901	INDUCTOR-SMD
L107	2703-002903	INDUCTOR-SMD
L110	2703-002903	INDUCTOR-SMD
L118	2703-002907	INDUCTOR-SMD

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Design LOG	SEC CODE	Discription
L121	2703-002907	INDUCTOR-SMD
L106	2703-002953	INDUCTOR-SMD
L105	2703-002999	INDUCTOR-SMD
L119	2703-002999	INDUCTOR-SMD
L201	2703-003470	INDUCTOR-SMD
L701	2703-003502	INDUCTOR-SMD
L503	2703-003686	INDUCTOR-SMD
L111	2703-003802	INDUCTOR-SMD
L202	2703-003869	INDUCTOR-SMD
L302	2703-003869	INDUCTOR-SMD
L303	2703-003869	INDUCTOR-SMD
L500	2703-003892	INDUCTOR-SMD
L501	2703-003892	INDUCTOR-SMD
L502	2703-003892	INDUCTOR-SMD
L100	2703-003908	INDUCTOR-SMD
L117	2703-003908	INDUCTOR-SMD
L120	2703-003908	INDUCTOR-SMD
L113	2703-003914	INDUCTOR-SMD
L109	2703-003915	INDUCTOR-SMD
L114	2703-003916	INDUCTOR-SMD
L108	2703-003970	INDUCTOR-SMD
L103	2703-004000	INDUCTOR-SMD
L116	2703-004001	INDUCTOR-SMD
L124	2703-004013	INDUCTOR-SMD
OSC300	2801-004373	CRYSTAL-SMD
OSC400	2801-004458	CRYSTAL-SMD
OSC500	2801-004902	CRYSTAL-SMD
OSC201	2804-001884	OSCILLATOR-CLOCK
OSC200	2809-001348	OSCILLATOR-TCXO
OSC100	2809-001358	OSCILLATOR-TCXO
F700	2901-001413	FILTER-EMI SMD
F701	2901-001413	FILTER-EMI SMD
F702	2901-001413	FILTER-EMI SMD
F703	2901-001413	FILTER-EMI SMD
F704	2901-001413	FILTER-EMI SMD

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Design LOG	SEC CODE	Discription
F705	2901-001413	FILTER-EMI SMD
F706	2901-001604	FILTER-EMI SMD
F707	2901-001604	FILTER-EMI SMD
F104	2904-001778	FILTER-SAW
F105	2904-001847	FILTER-SAW
F108	2904-001850	FILTER-SAW
F102	2904-001953	FILTER-SAW
F100	2904-001966	FILTER-SAW
F101	2904-001973	FILTER-SAW
F106	2910-000081	DUPLEXER-SAW
F103	2910-000101	DUPLEXER-SAW
F107	2910-000107	DUPLEXER-SAW
MIC600	3003-001136	MIC MEMS
L300	3301-001120	BEAD-SMD
L301	3301-001120	BEAD-SMD
L703	3301-001438	BEAD-SMD
L200	3301-001659	BEAD-SMD
L700	3301-001729	BEAD-SMD
L600	3301-001789	BEAD-SMD
L601	3301-001789	BEAD-SMD
L204	3301-001885	BEAD-SMD
L602	3301-001885	BEAD-SMD
L603	3301-001885	BEAD-SMD
L604	3301-001885	BEAD-SMD
L605	3301-001885	BEAD-SMD
L606	3301-001885	BEAD-SMD
L607	3301-001885	BEAD-SMD
L608	3301-001885	BEAD-SMD
L609	3301-001885	BEAD-SMD
TAC800	3404-001303	SWITCH-TACT
TAC801	3404-001303	SWITCH-TACT
TAC802	3404-001303	SWITCH-TACT
RFS100	3705-001731	CONNECTOR-COAXIAL
HDC700	3708-002162	CONNECTOR-FPC/FFC/PIC
HDC300	3711-005962	HEADER-BOARD TO BOARD

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Design LOG	SEC CODE	Discription
BTC500	3711-006299	HEADER-BATTERY
HDC701	3711-006483	HEADER-BOARD TO BOARD
HDC600	3711-006615	HEADER-BOARD TO BOARD
HDC601	3711-006923	HEADER-BOARD TO BOARD
HDC400	3711-007173	HEADER-BOARD TO BOARD
ANT100	3712-001348	CONNECTOR-TERMINAL
ANT101	3712-001348	CONNECTOR-TERMINAL
ANT200	3712-001348	CONNECTOR-TERMINAL
ANT201	3712-001348	CONNECTOR-TERMINAL
IFC700	3722-002867	JACK-MINI USB
BAT500	4302-001180	BATTERY-LI(2ND)
U200	4709-001844	W-LAN MODULE
SC100	GH70-04443A	ICT SHIELD-CAN CLIP
SC101	GH70-04443A	ICT SHIELD-CAN CLIP
SC102	GH70-04443A	ICT SHIELD-CAN CLIP
SC103	GH70-04443A	ICT SHIELD-CAN CLIP
SC104	GH70-04443A	ICT SHIELD-CAN CLIP
SC105	GH70-04443A	ICT SHIELD-CAN CLIP
SC106	GH70-04443A	
SC107	GH70-04443A	
SC800	GH70-04443A	
SC801	GH70-04443A	
SC802	GH70-04443A	
SC803	GH70-04443A	

Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

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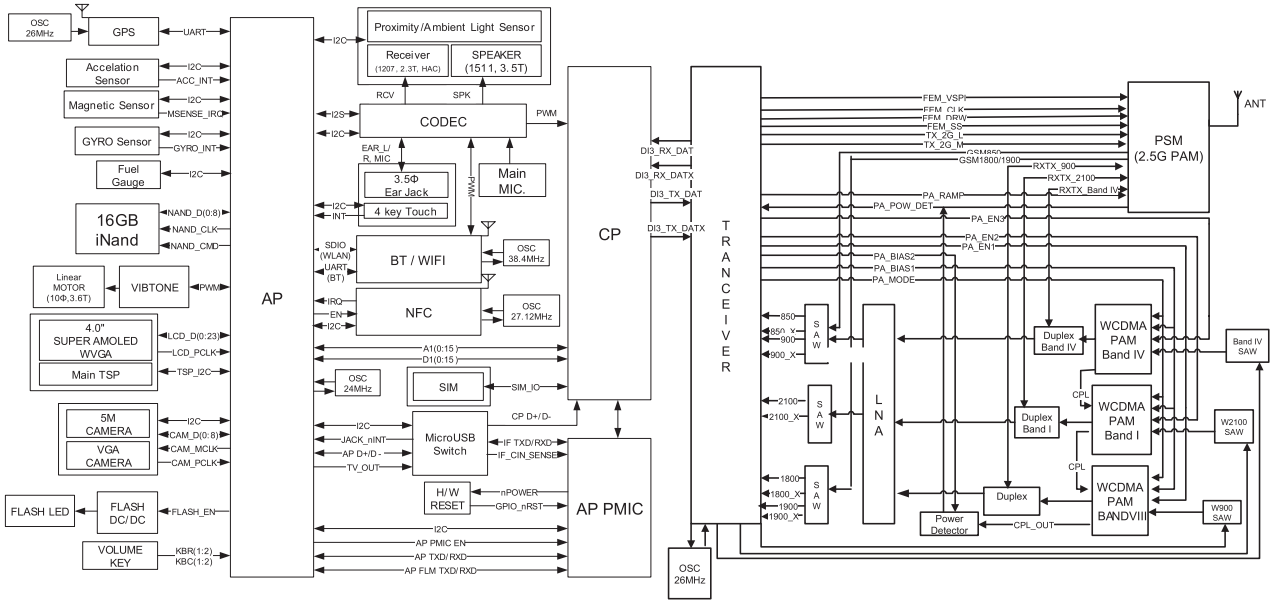
8. Level 3 Repair

8-1. Block Diagram



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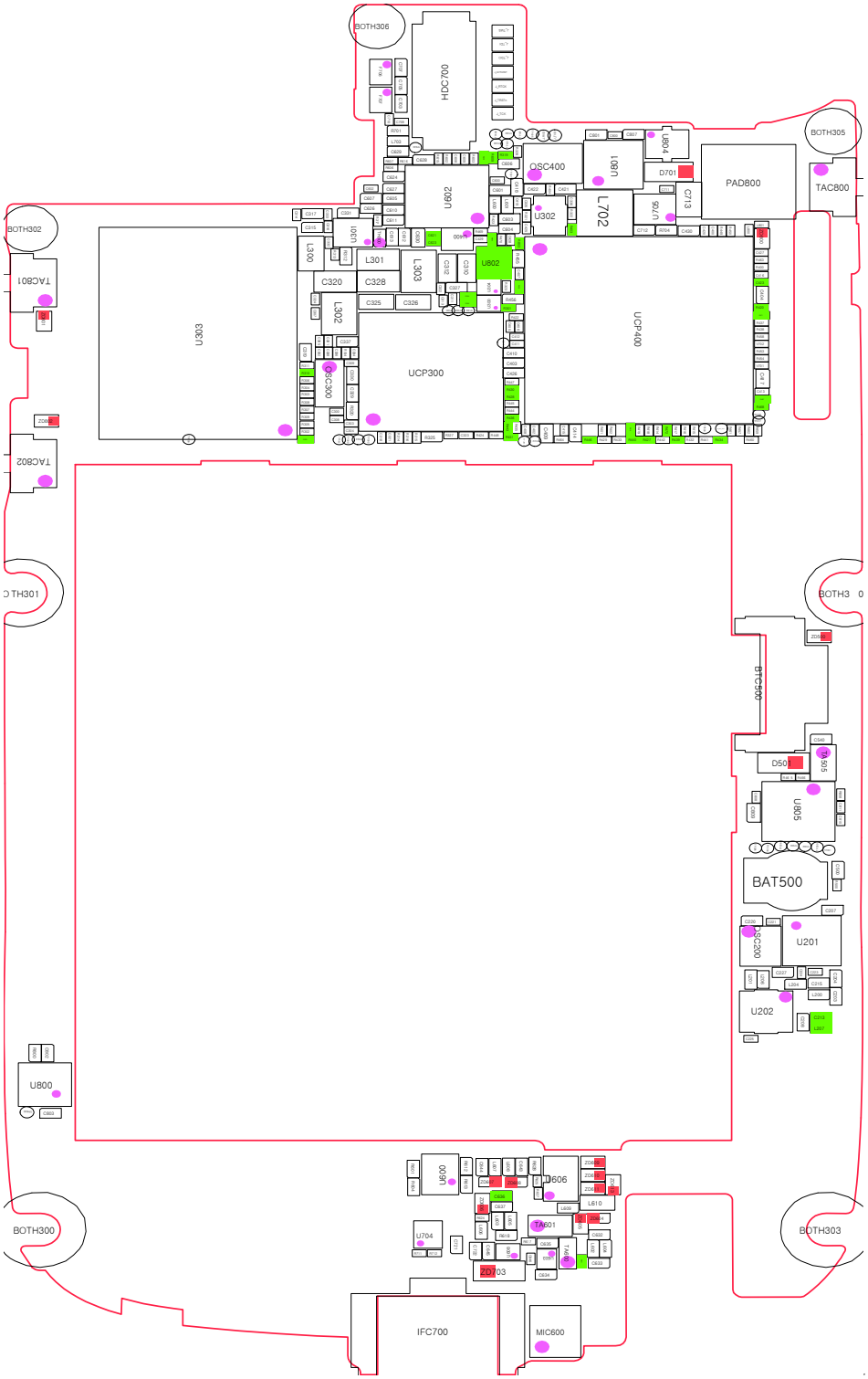
8a-2. PCB Diagrams

8a-2-1. Main Top



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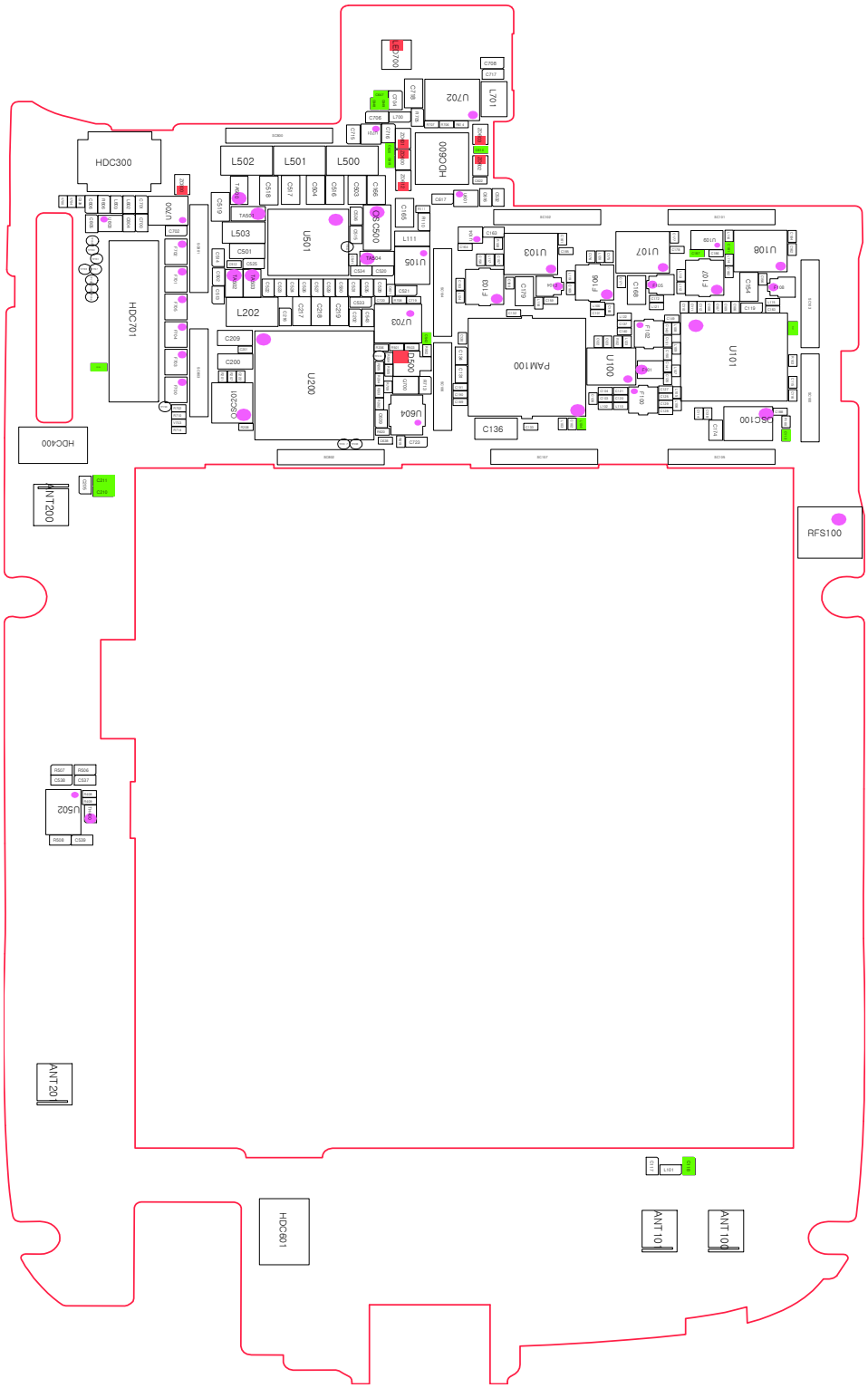
8a-2-1. Main Bottom



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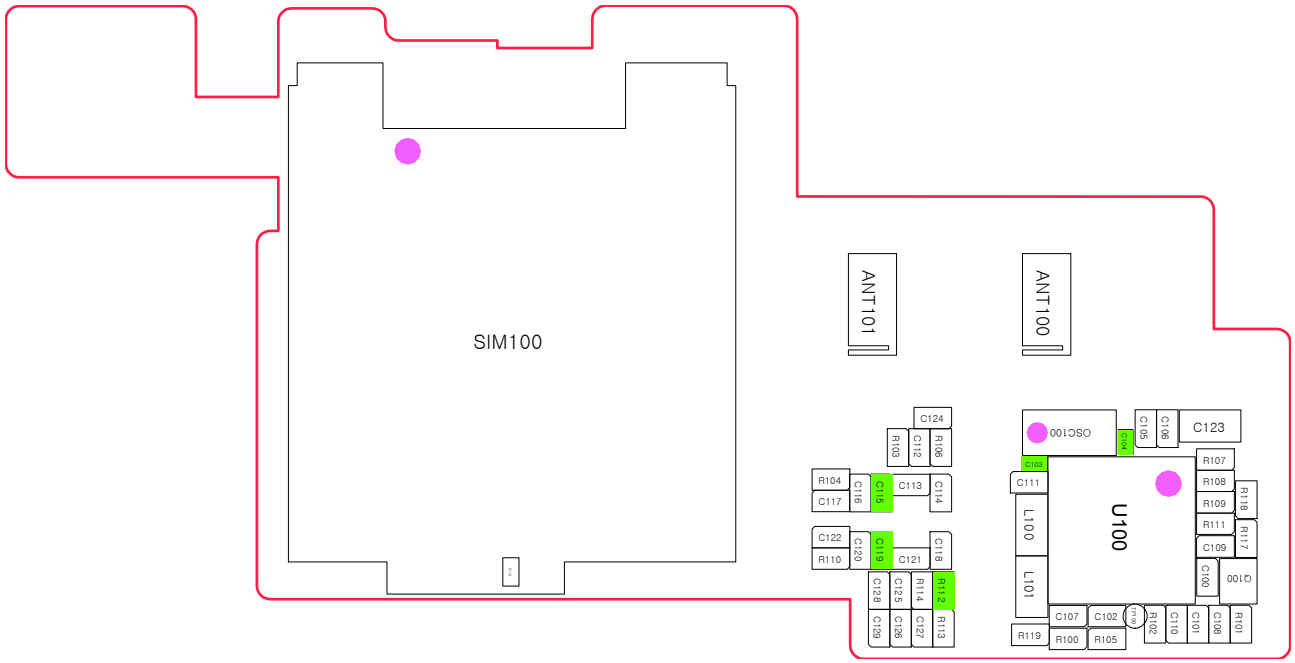
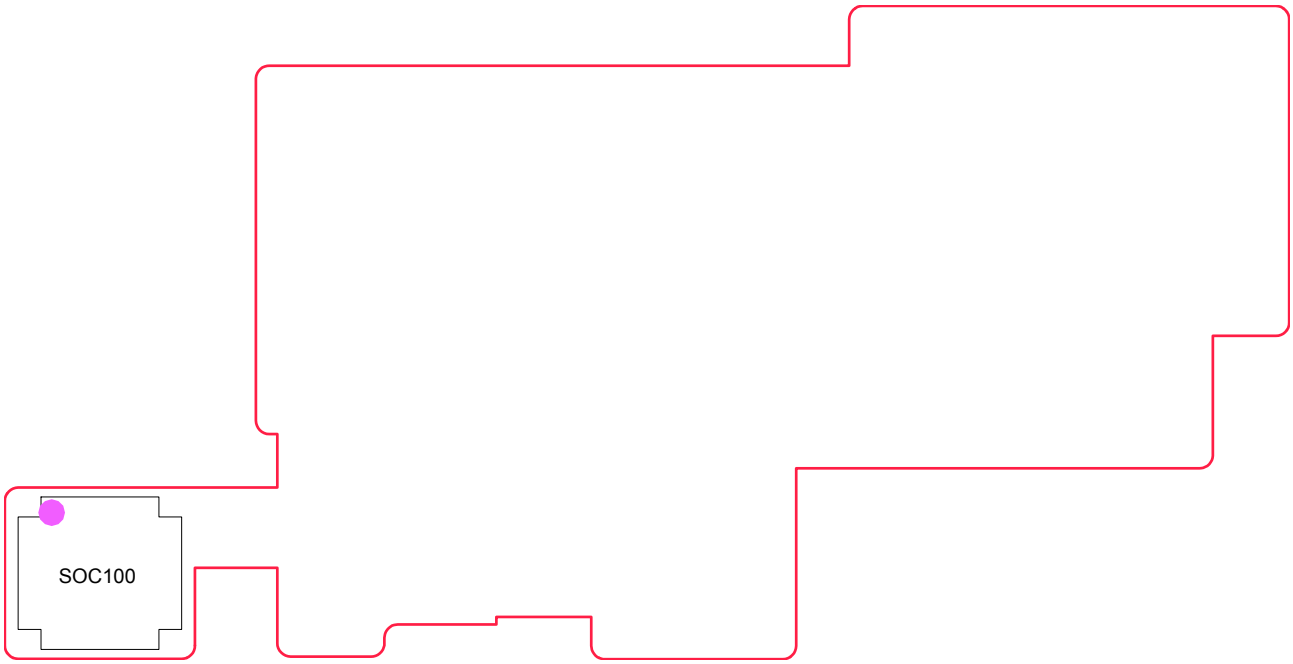
8a-2-1. Sub Top



8a-2-1. Sub Bottom



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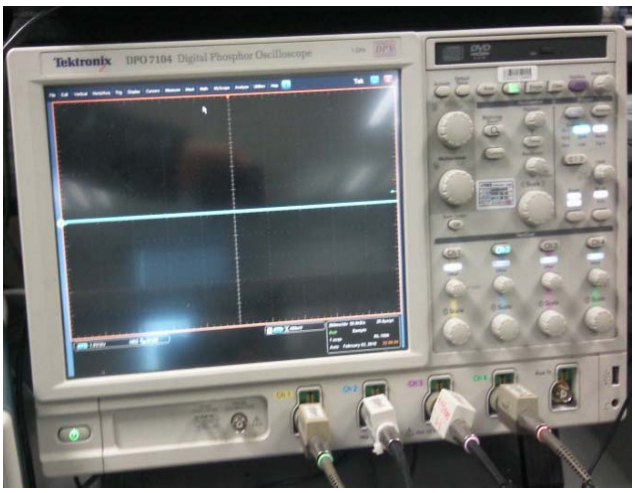
8b-3. Flow Chart of Troubleshooting

Equipments



↑ Oscilloscope

↑ Digital Multimeter

↑ Power Supply

↑ + driver, Tweezer

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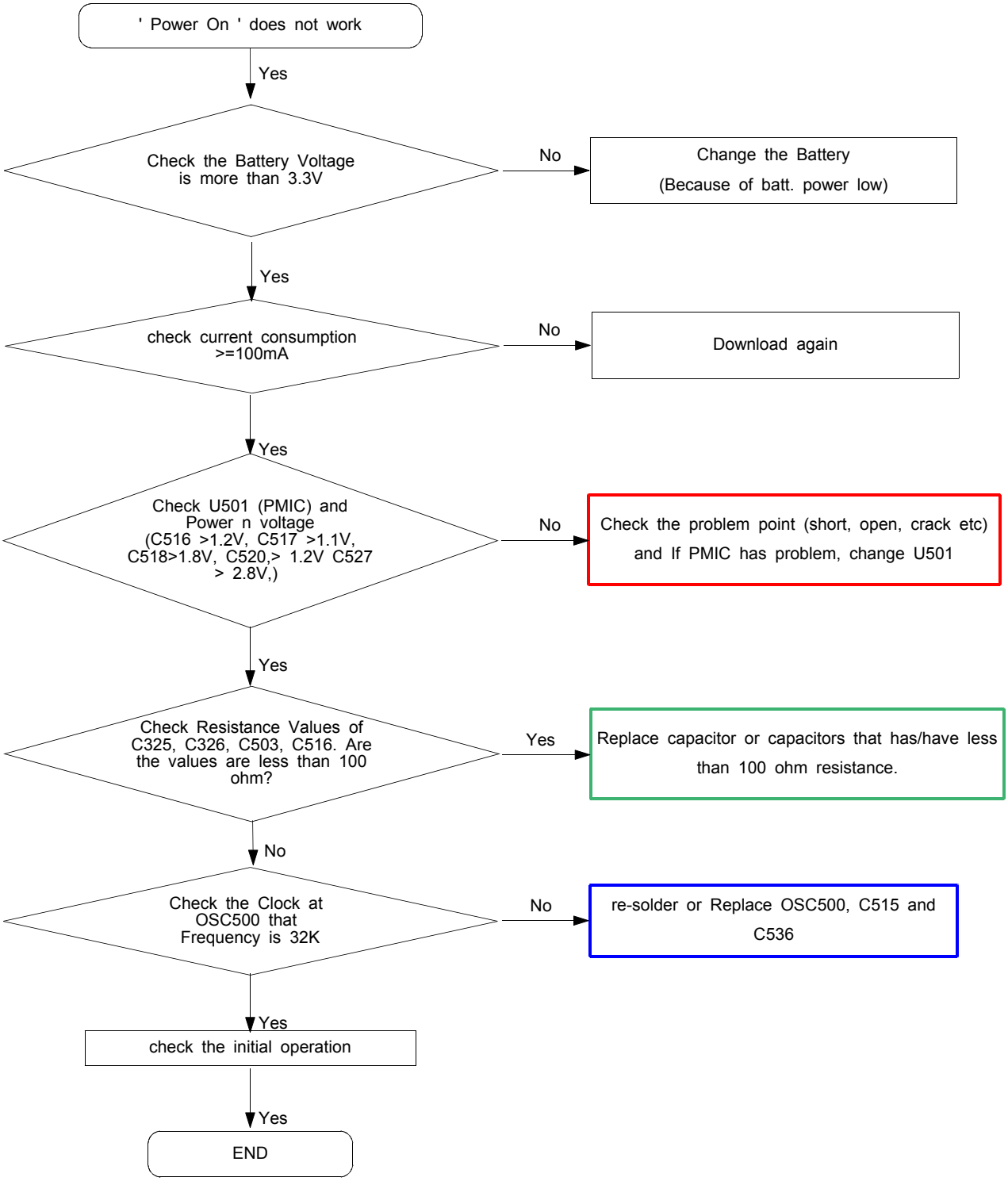
8b-3-1. Power On


' Power On ' does not work
Yes
Check the Battery Voltage is more than 3.3V
No
Change the Battery (Because of batt. power low)
Yes
check current consumption >=100mA
No
Download again
Yes
Check U501 (PMIC) and Power n voltage (C516 >1.2V, C517 >1.1V, C518>1.8V, C520,> 1.2V C527 > 2.8V,)
No
Check the problem point (short, open, crack etc) and If PMIC has problem, change U501
Yes
Check Resistance Values of C325, C326, C503, C516. Are the values are less than 100 ohm?
Yes
Replace capacitor or capacitors that has/have less than 100 ohm resistance.
No
Check the Clock at OSC500 that Frequency is 32K
No
re-solder or Replace OSC500, C515 and C536
Yes
check the initial operation
Yes
END

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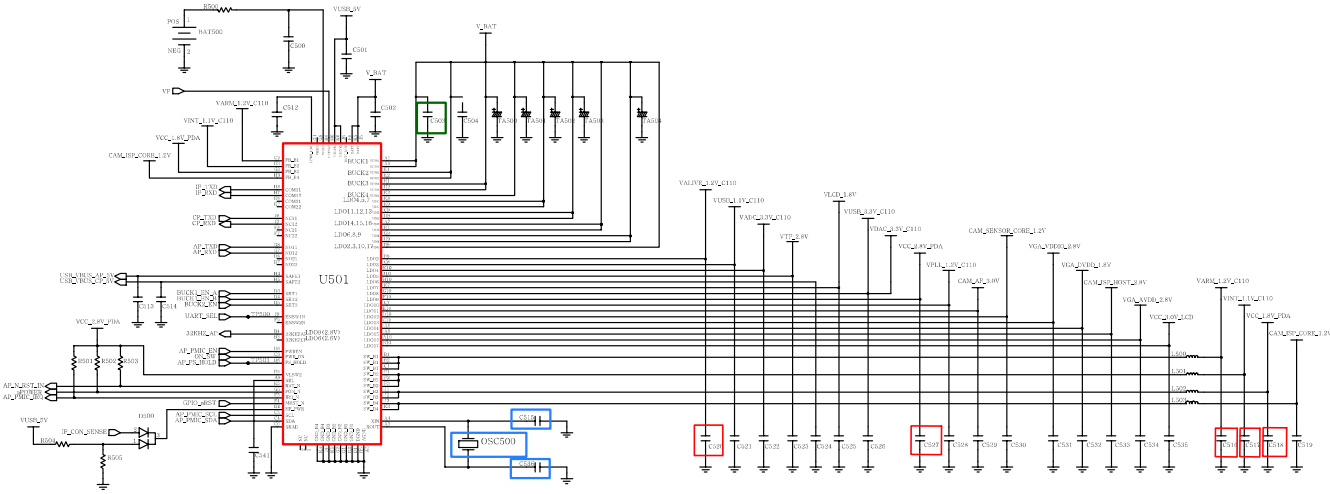

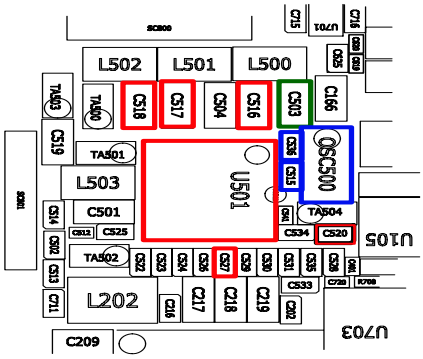

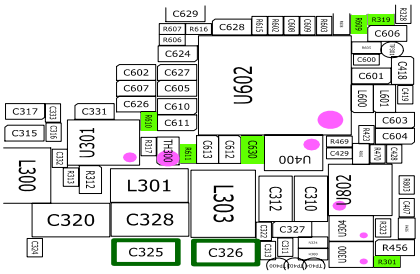

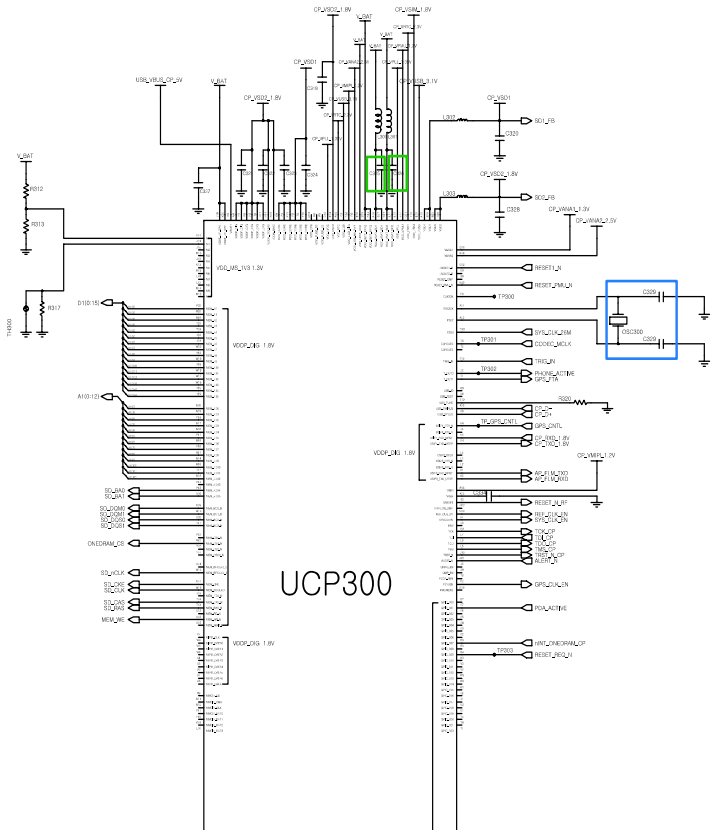

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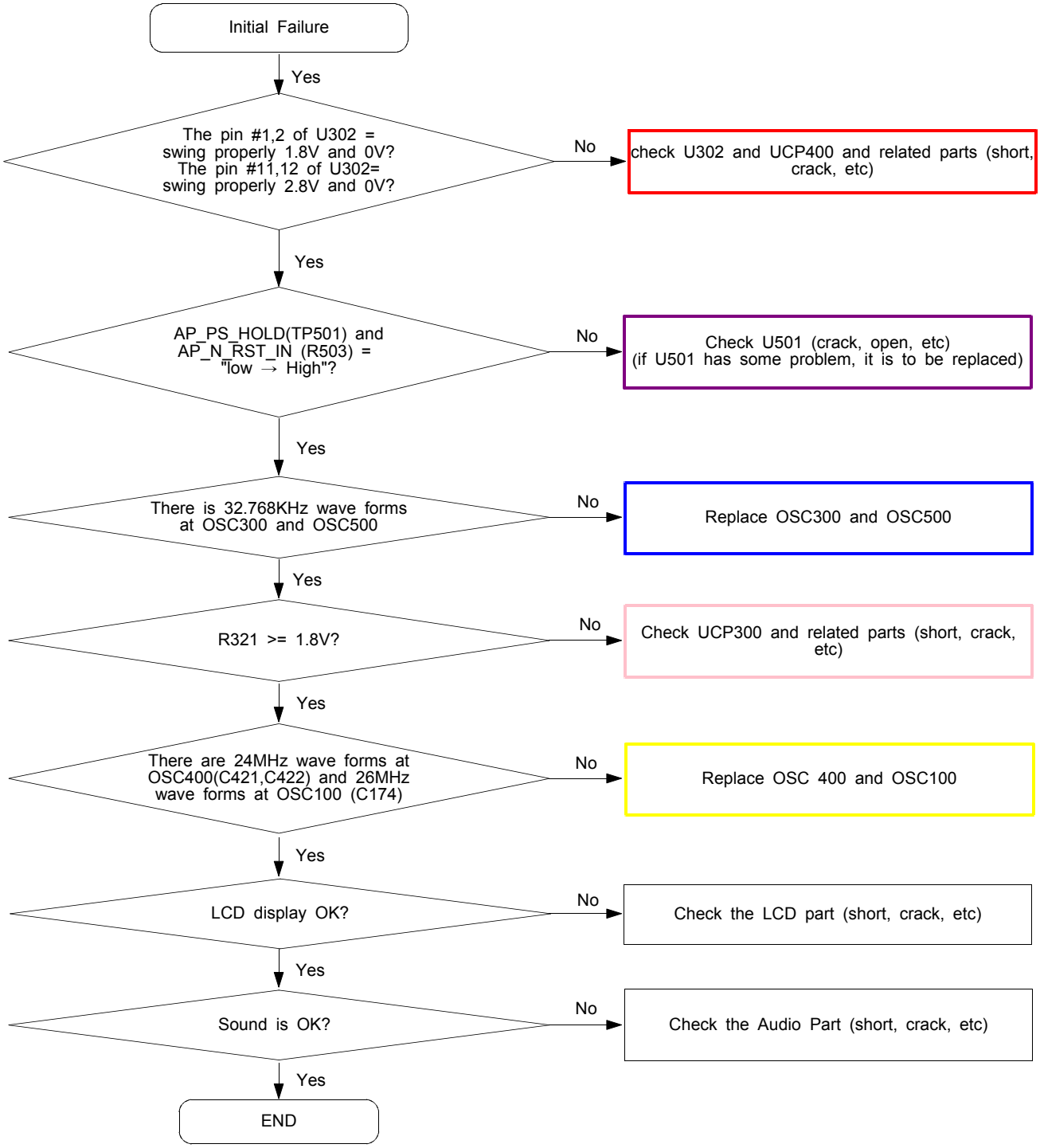
8b-3-2. Initial


Initial Failure
Yes
The pin #1,2 of U302 = swing properly 1.8V and 0V? The pin #11,12 of U302= swing properly 2.8V and 0V?
No
check U302 and UCP400 and related parts (short, crack, etc)
Yes
AP_PS_HOLD(TP501) and AP_N_RST_IN (R503) = "low → High"?
No
Check U501 (crack, open, etc) (if U501 has some problem, it is to be replaced)
Yes
There is 32.768KHz wave forms at OSC300 and OSC500
No
Replace OSC300 and OSC500
Yes
R321 >= 1.8V?
No
Check UCP300 and related parts (short, crack, etc)
Yes
There are 24MHz wave forms at OSC400(C421,C422) and 26MHz wave forms at OSC100 (C174)
No
Replace OSC 400 and OSC100
Yes
LCD display OK?
No
Check the LCD part (short, crack, etc)
Yes
Sound is OK?
No
Check the Audio Part (short, crack, etc)
Yes
END

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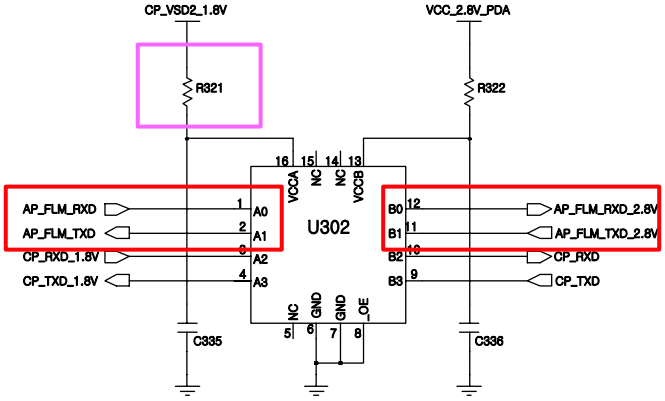

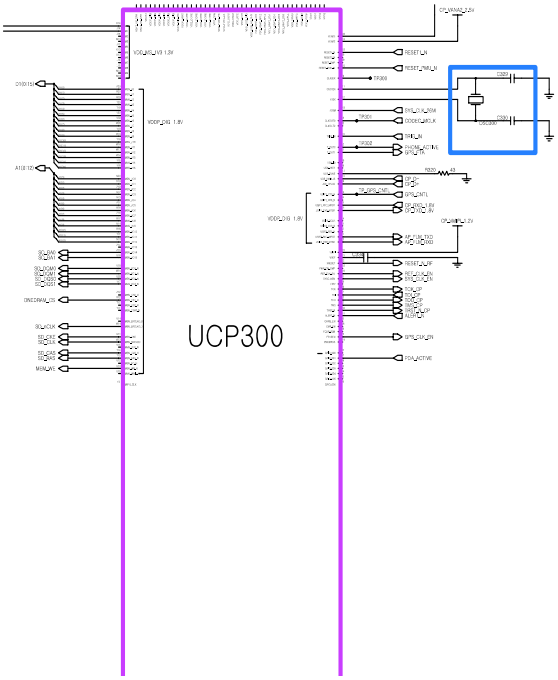

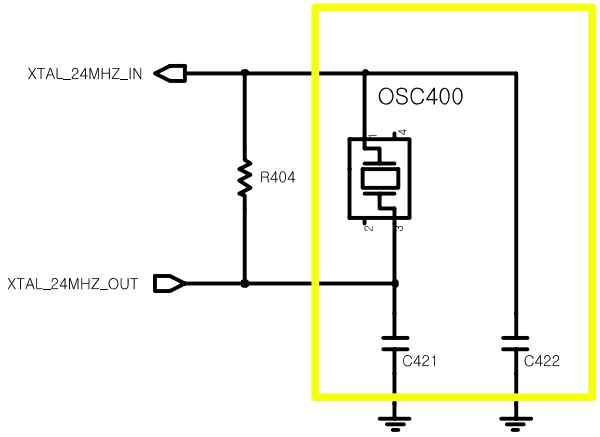

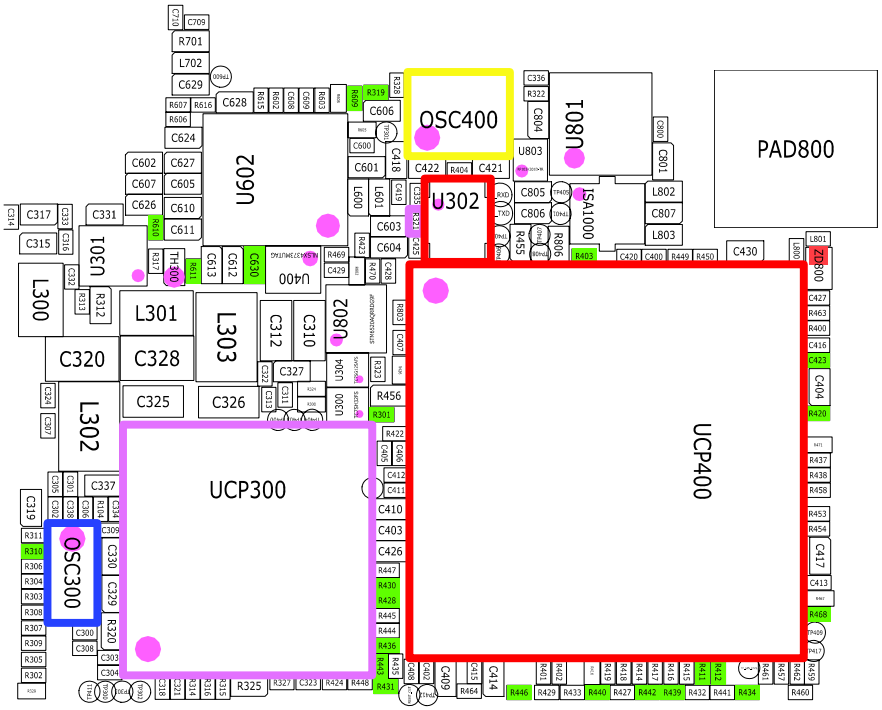

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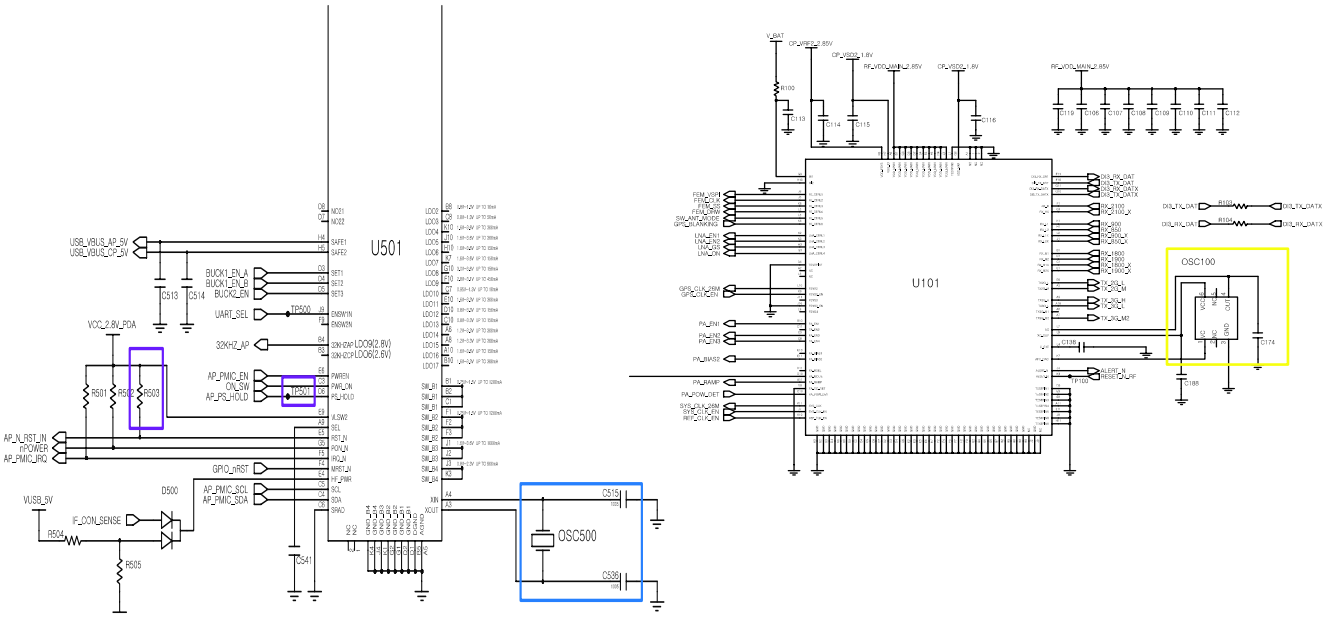

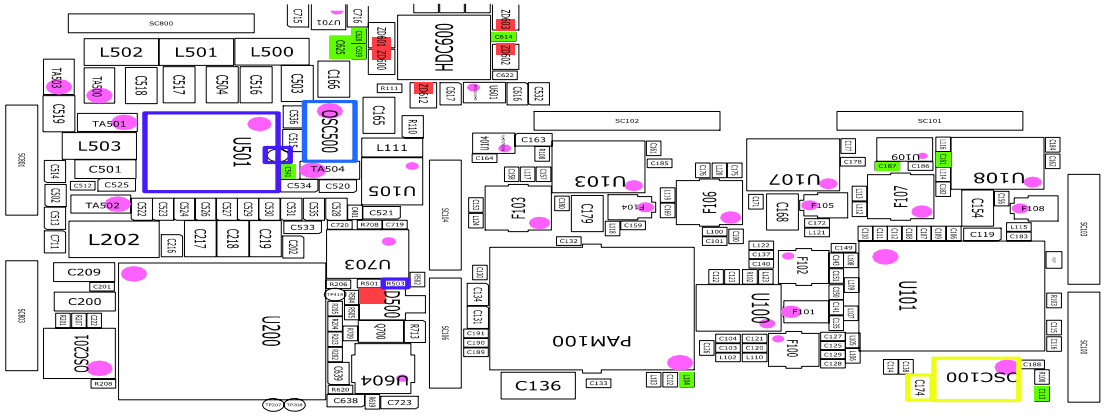

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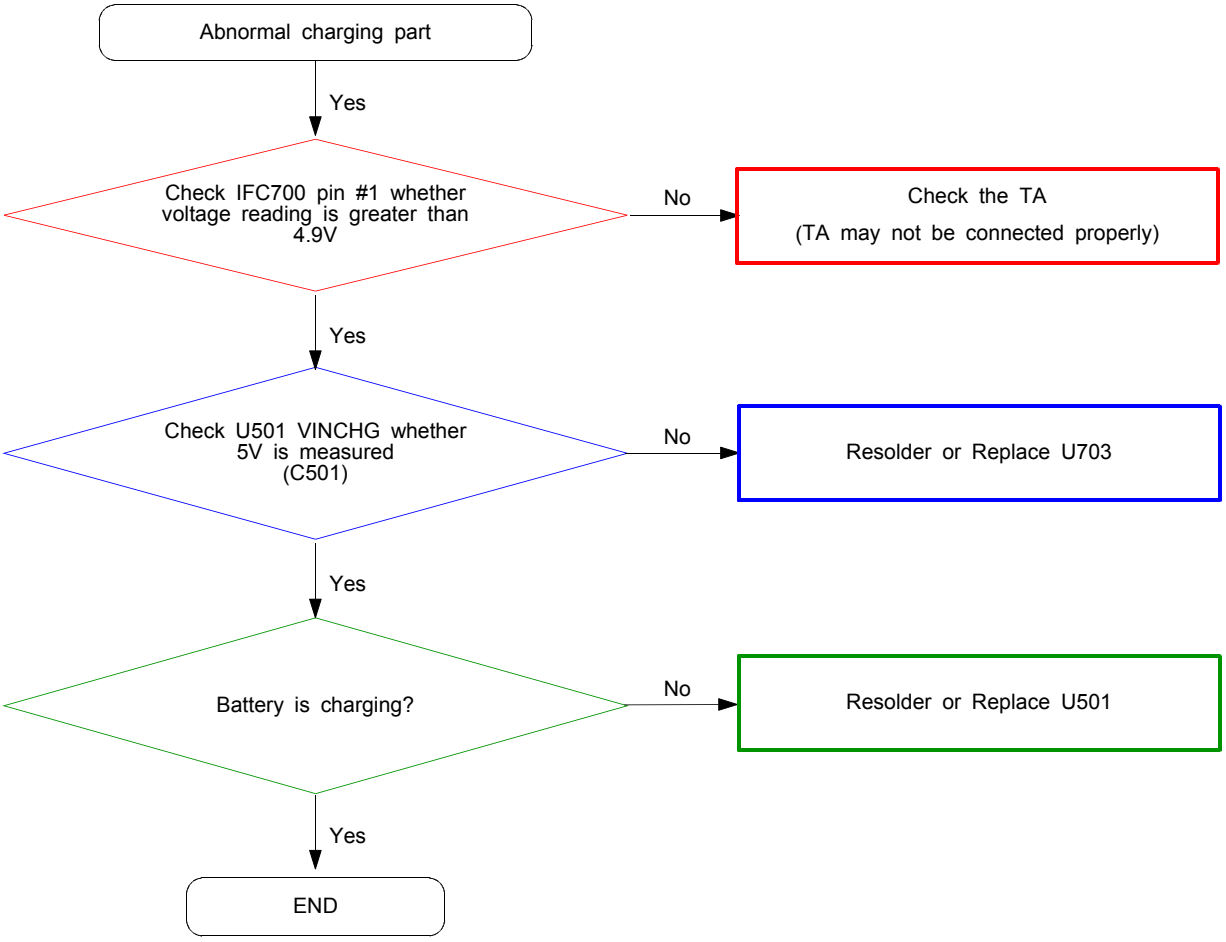
8b-3-3. Charging Part



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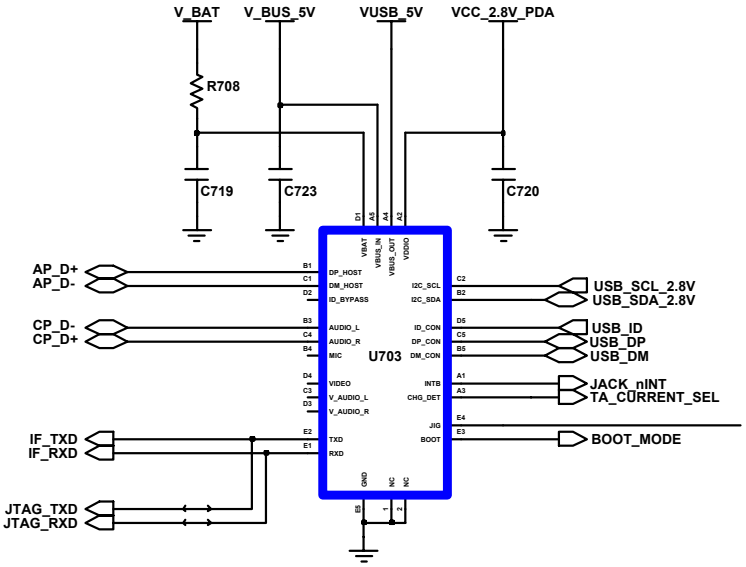

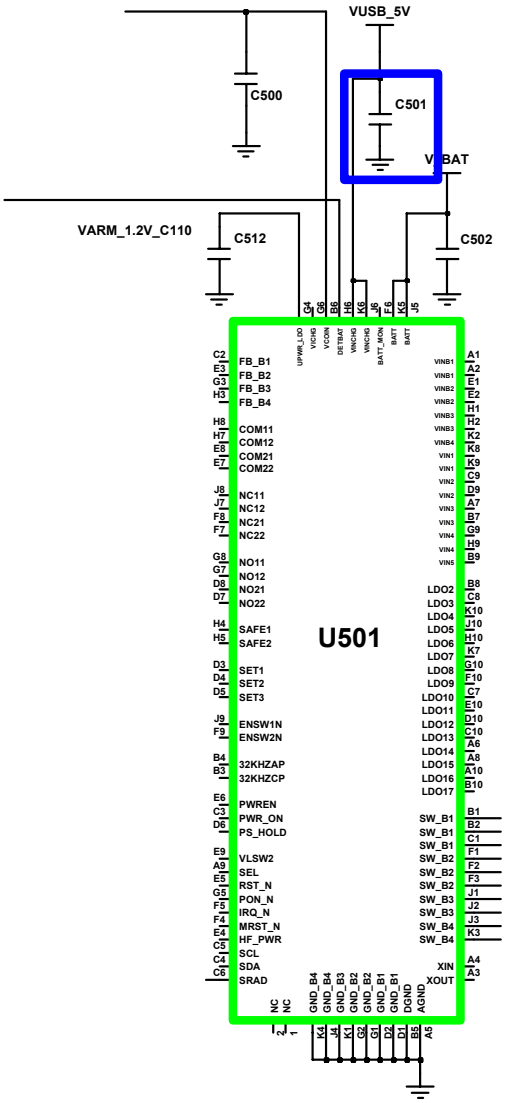

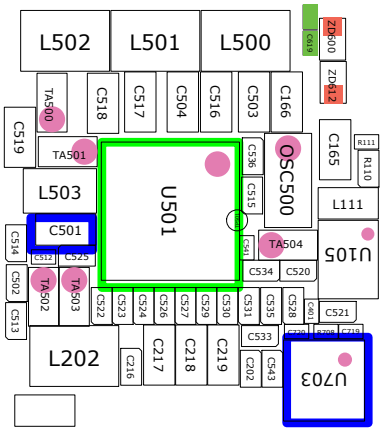

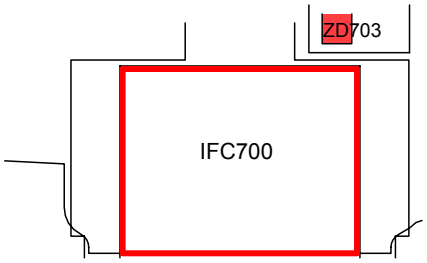

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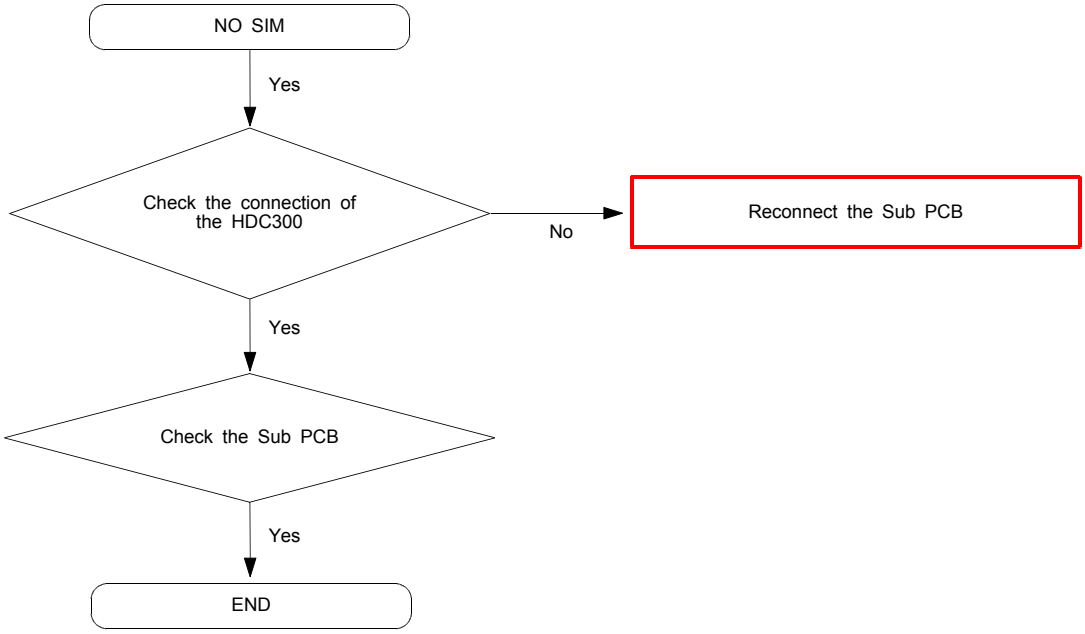
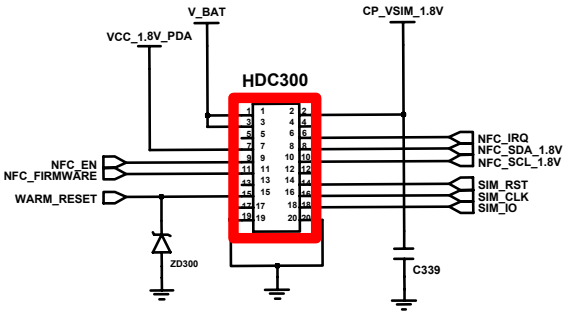
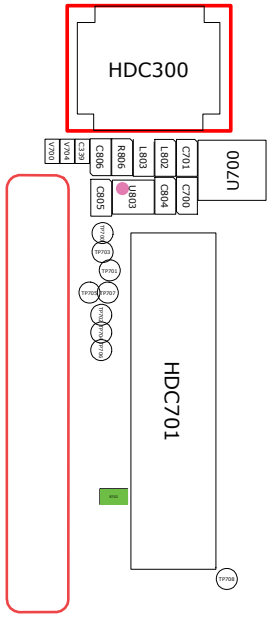
8b-3-4. Sim Part







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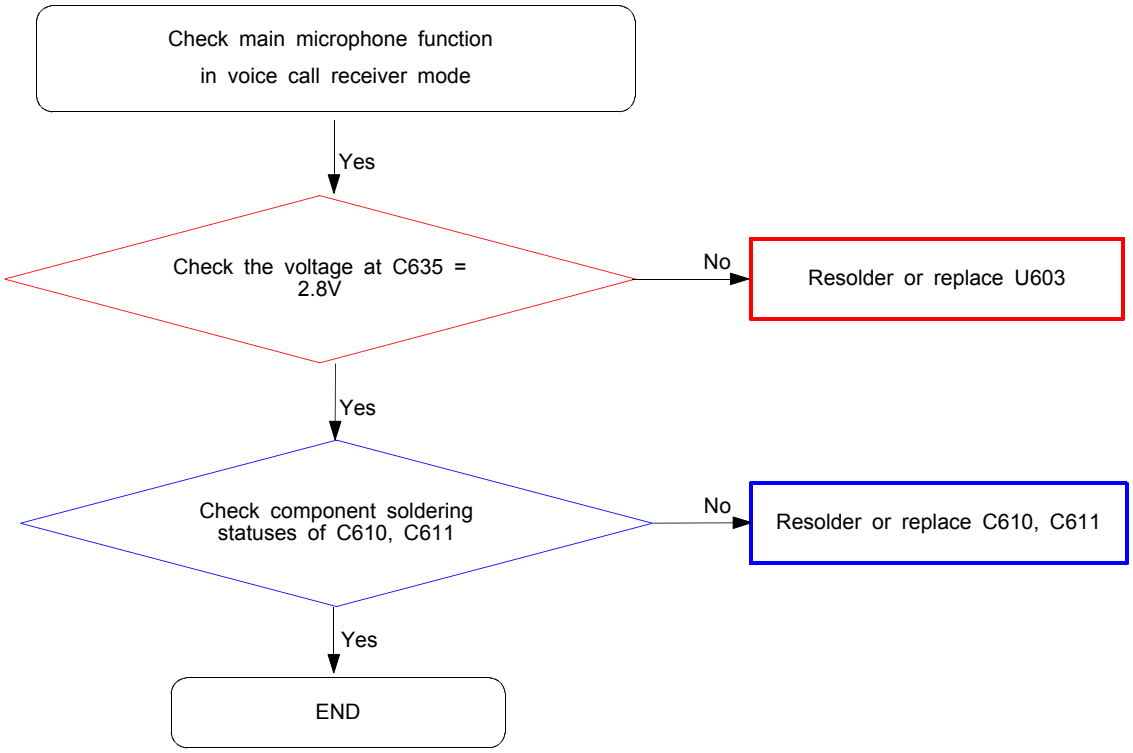
8b-3-5. Microphone Part



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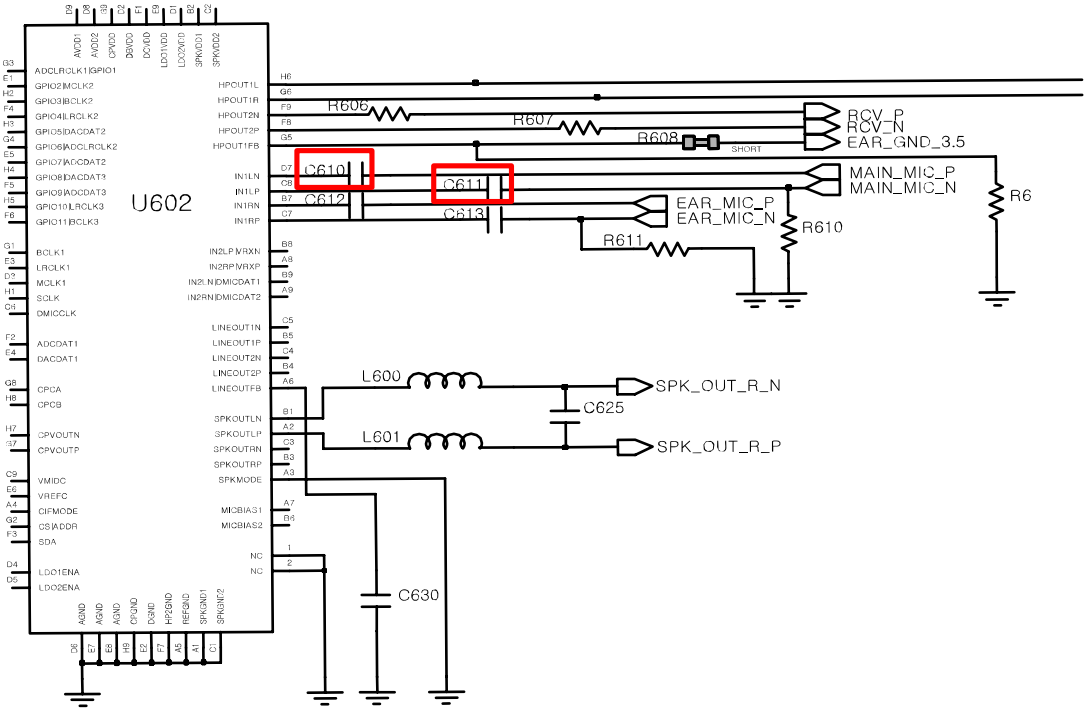

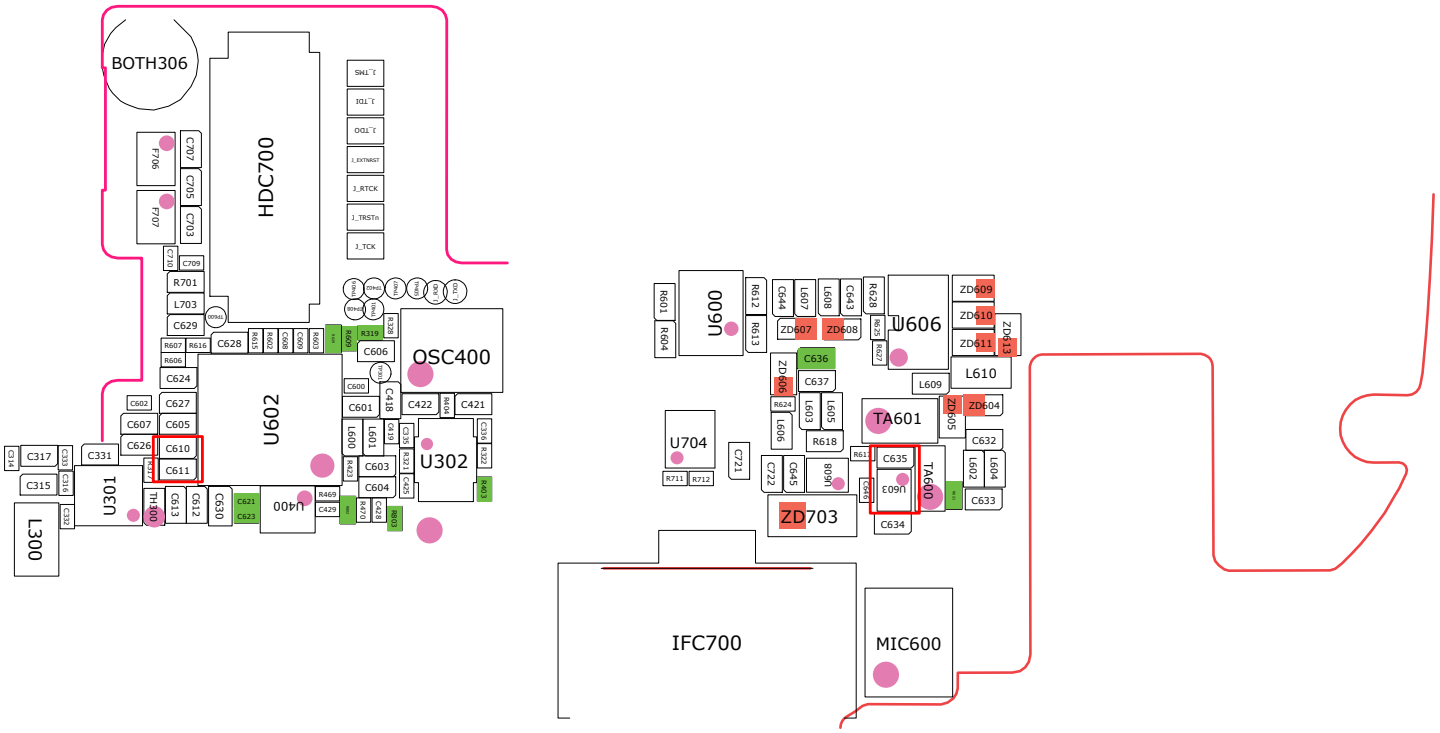

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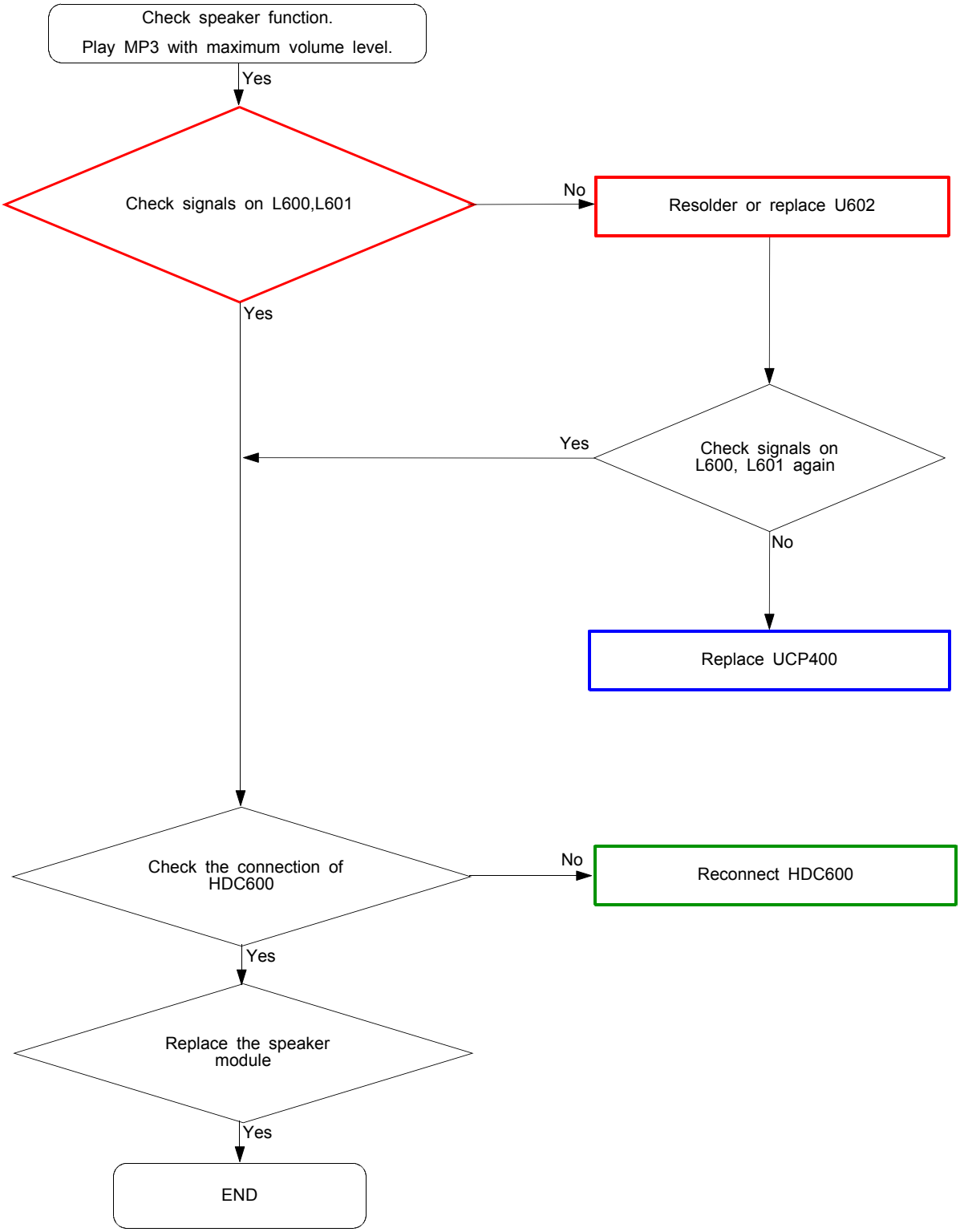
8b-3-6. Speaker Part



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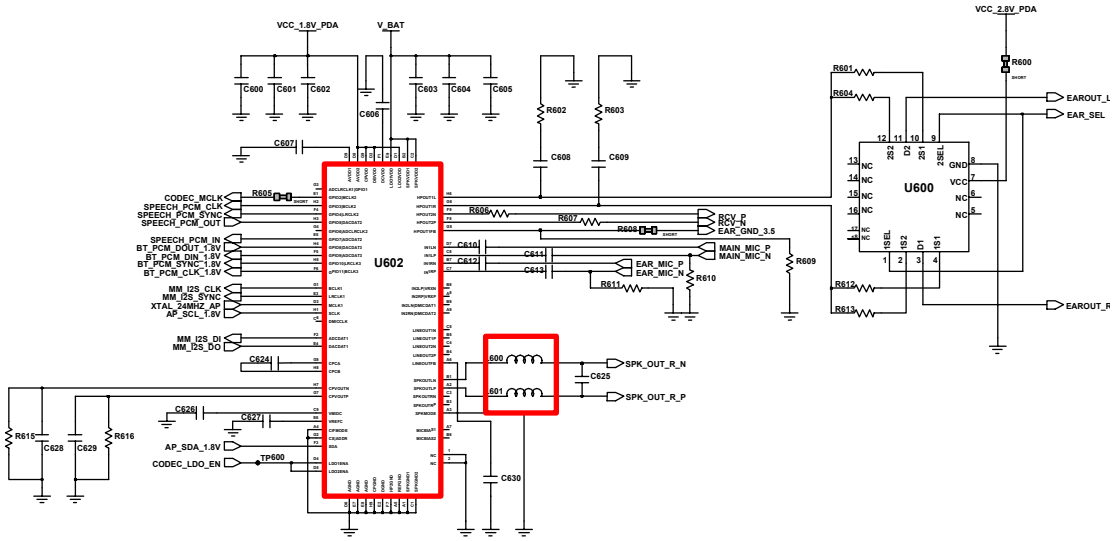

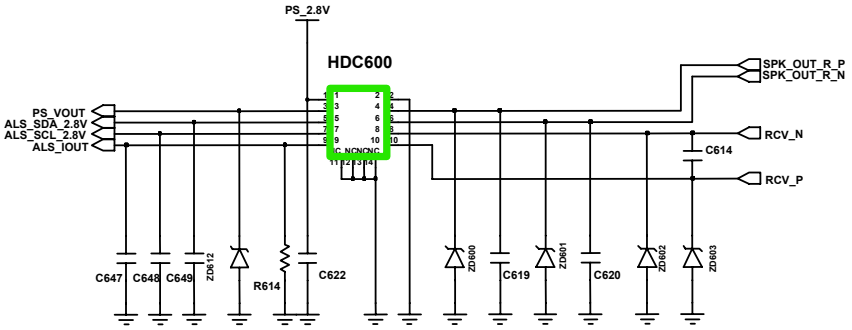

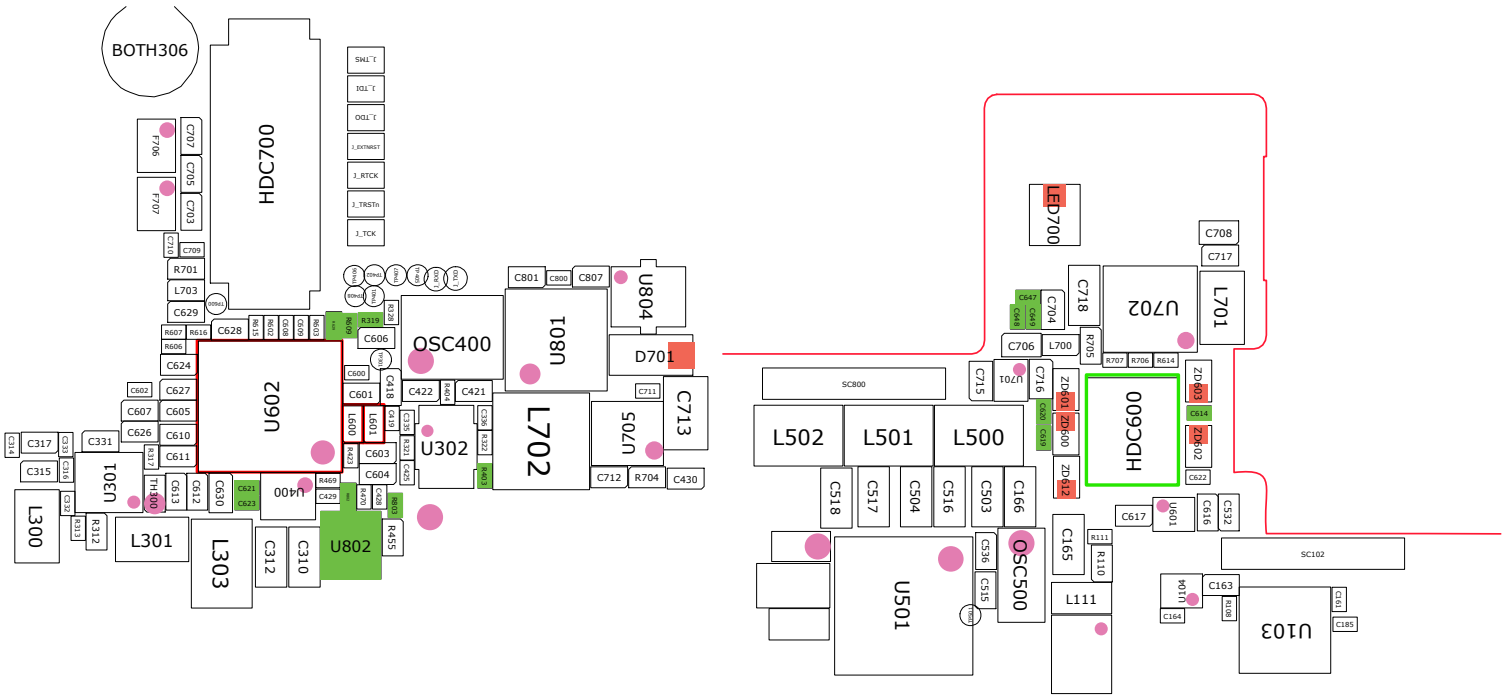

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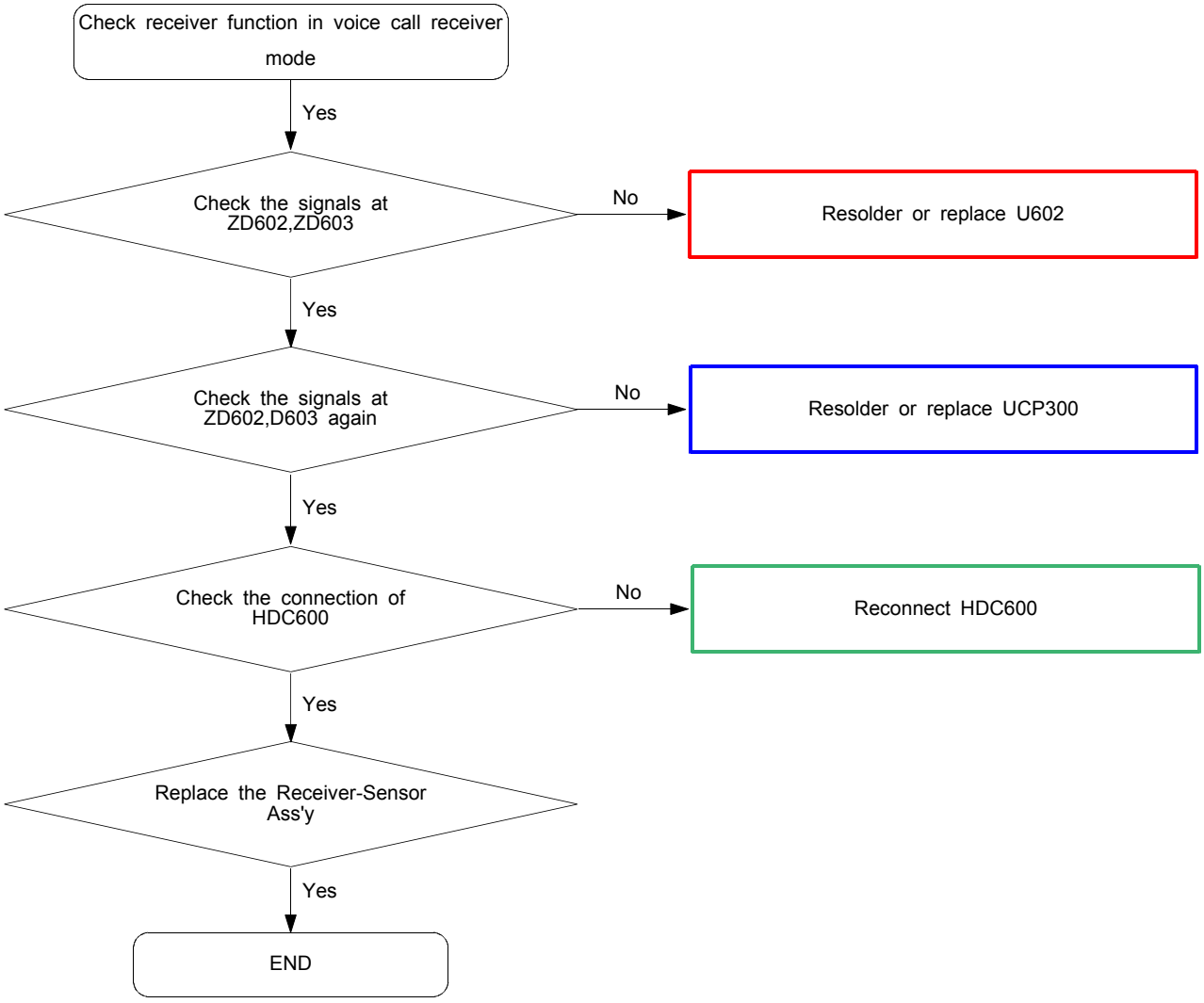
8b-3-7. Receiver Part



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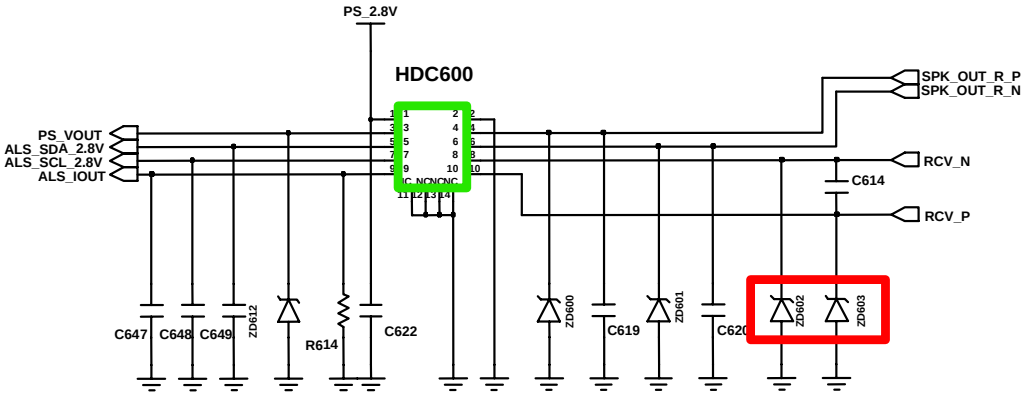

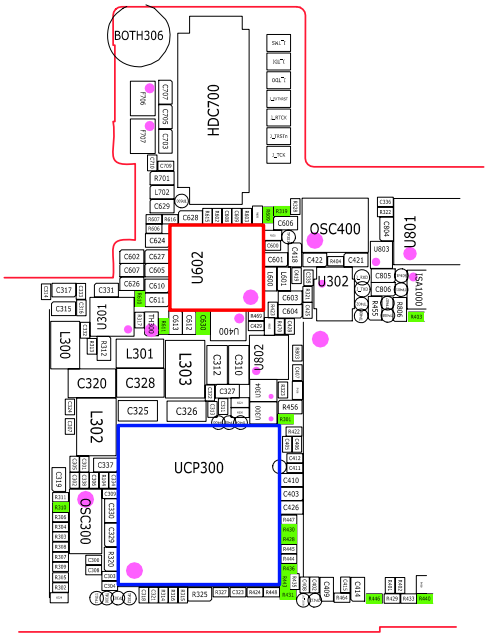

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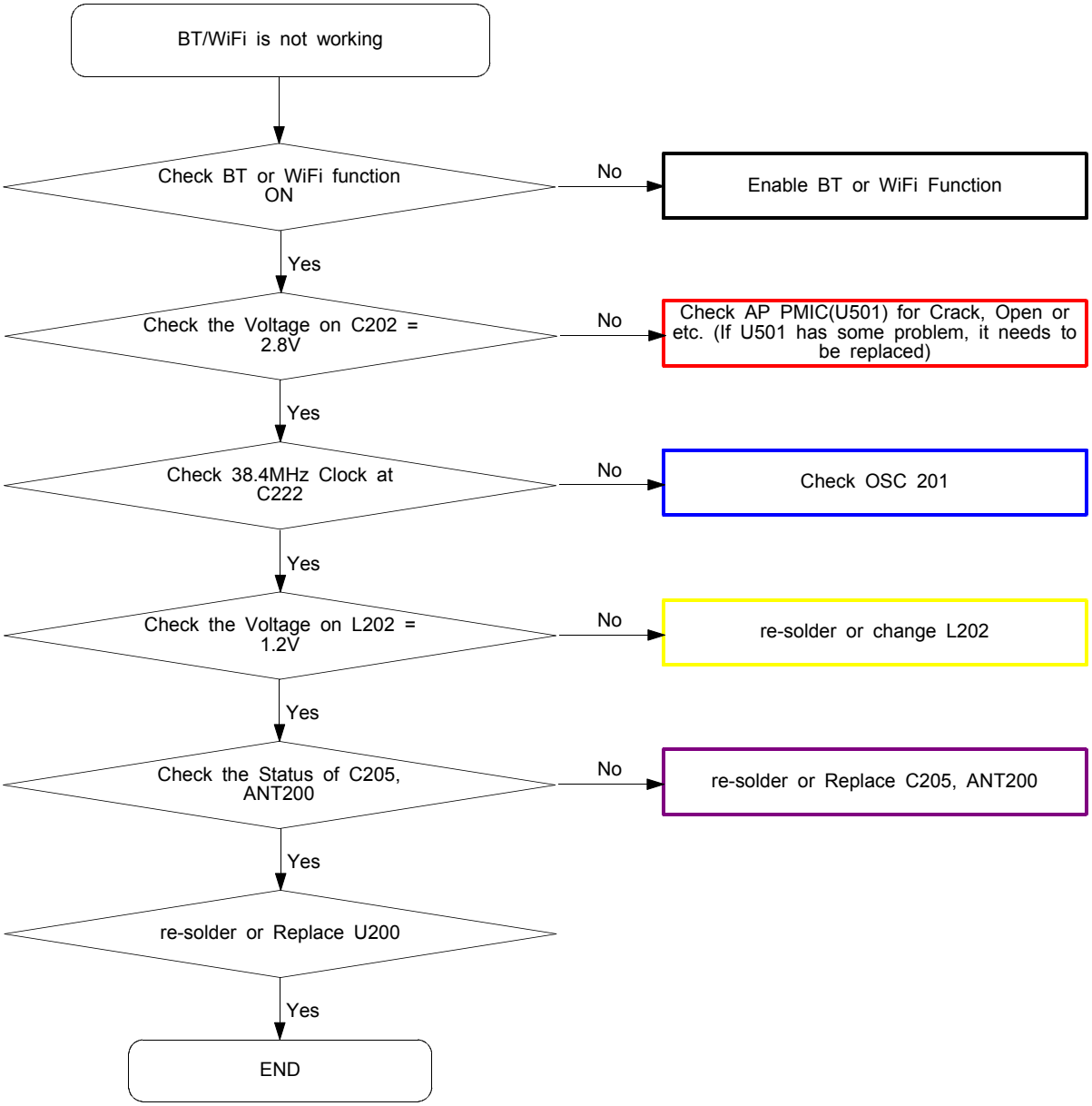
8b-3-8. BT/WIFI



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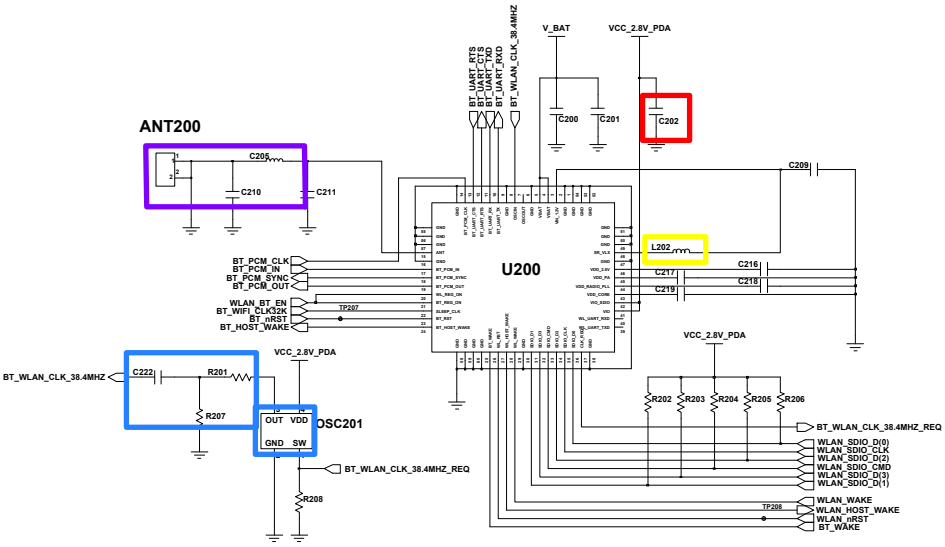

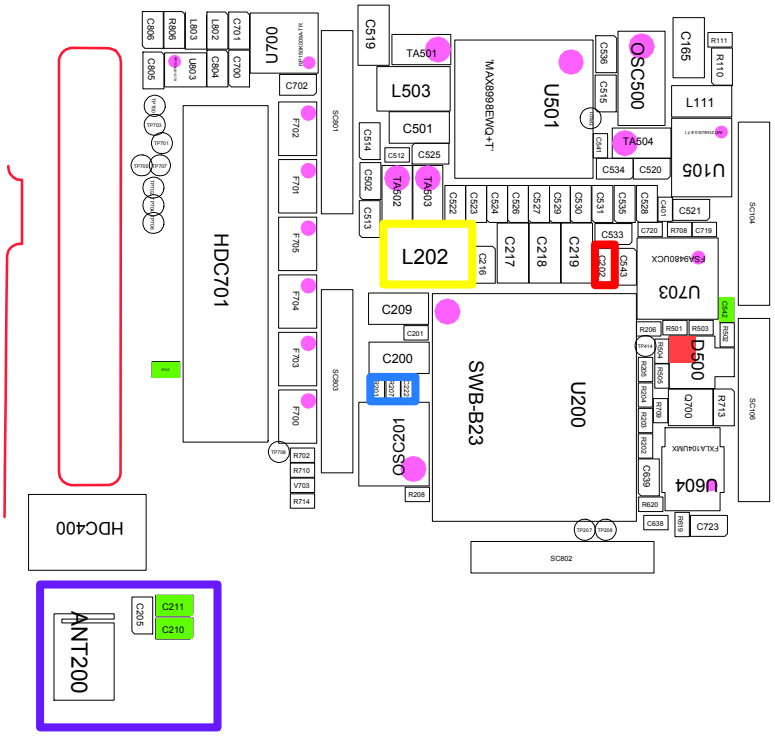

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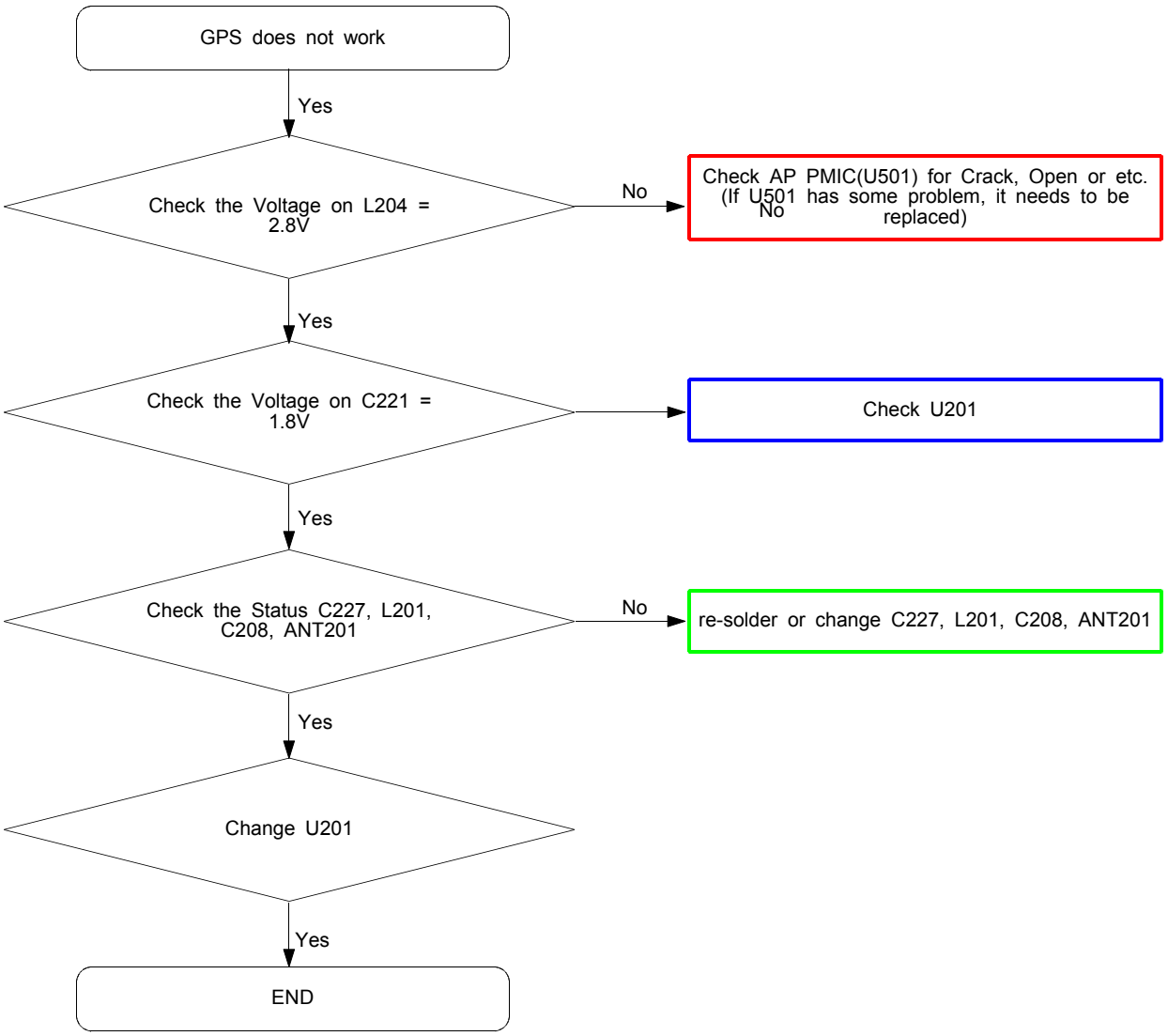
8b-3-9. GPS



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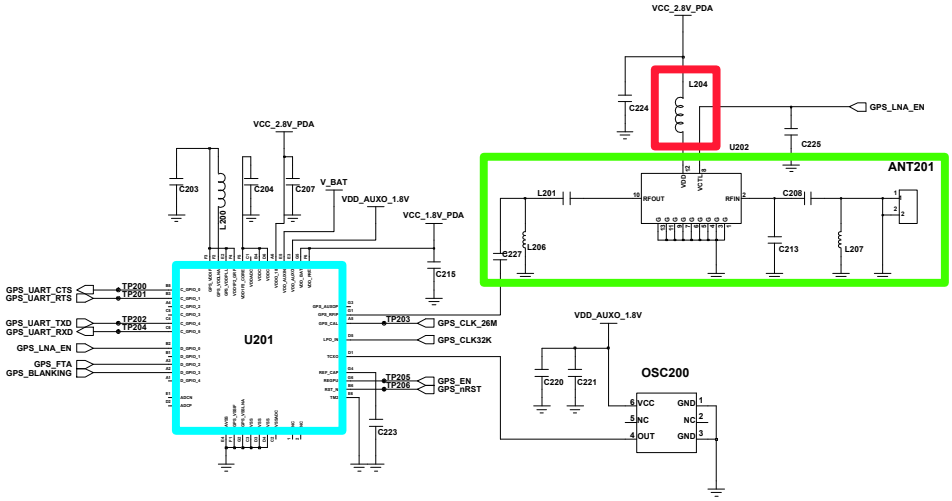

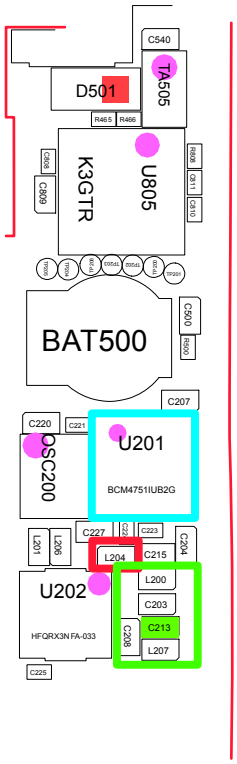

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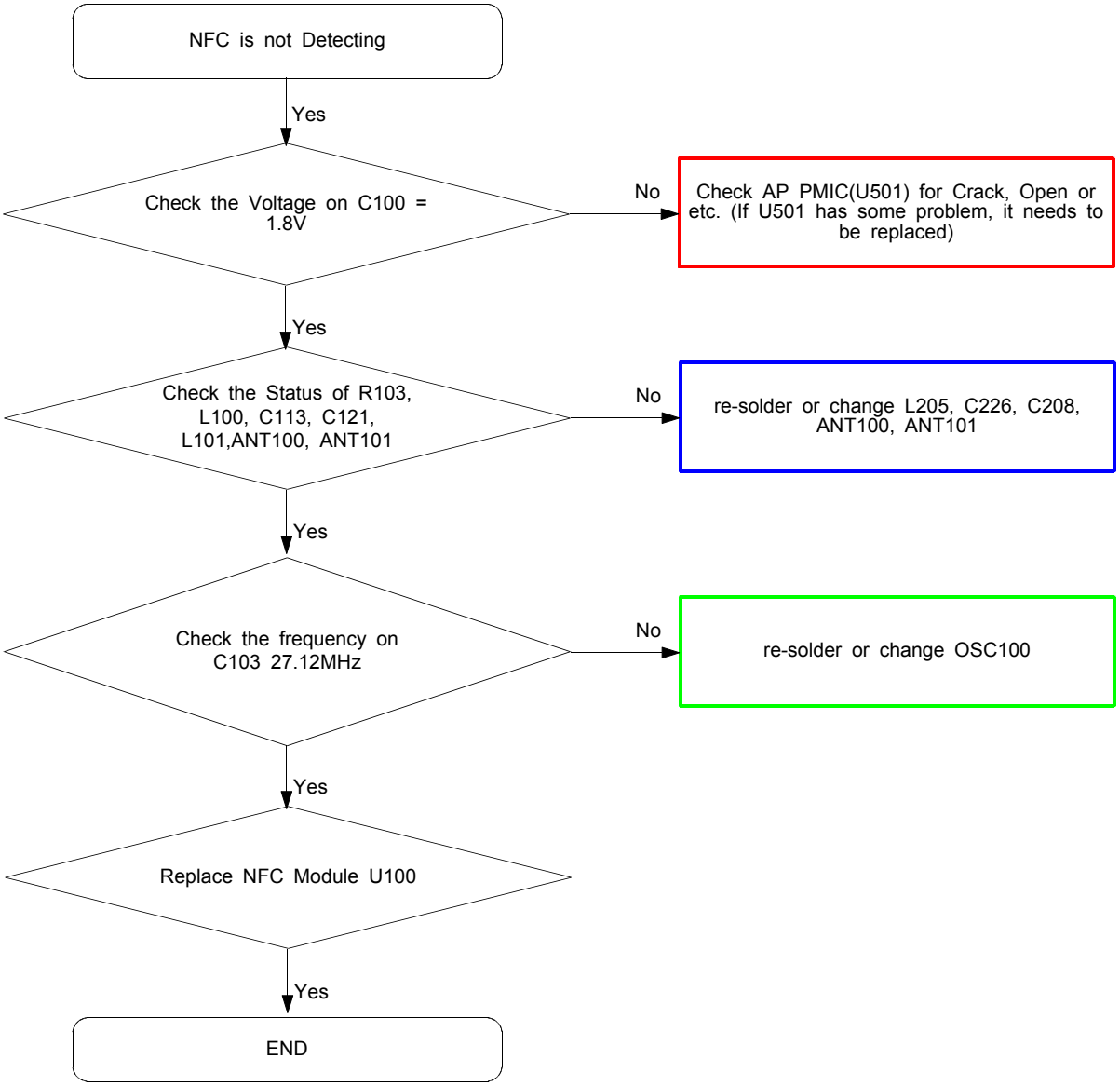
8b-3-10. NFC


NFC is not Detecting
Yes
Check the Voltage on C100 = 1.8V
No
Check AP PMIC(U501) for Crack, Open or etc. (If U501 has some problem, it needs to be replaced)
Yes
Check the Status of R103, L100, C113, C121, L101,ANT100, ANT101
No
re-solder or change L205, C226, C208, ANT100, ANT101
Yes
Check the frequency on C103 27.12MHz
No
re-solder or change OSC100
Yes
Replace NFC Module U100
Yes
END

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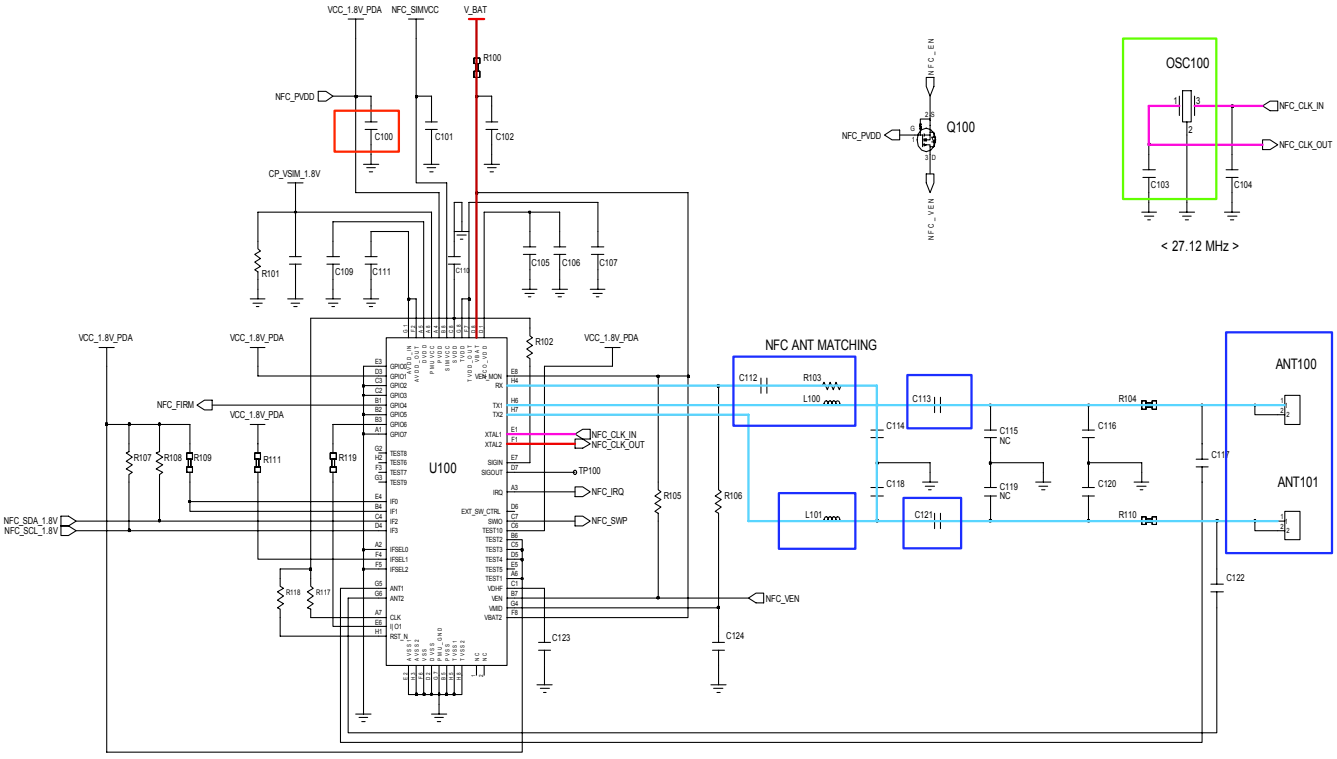

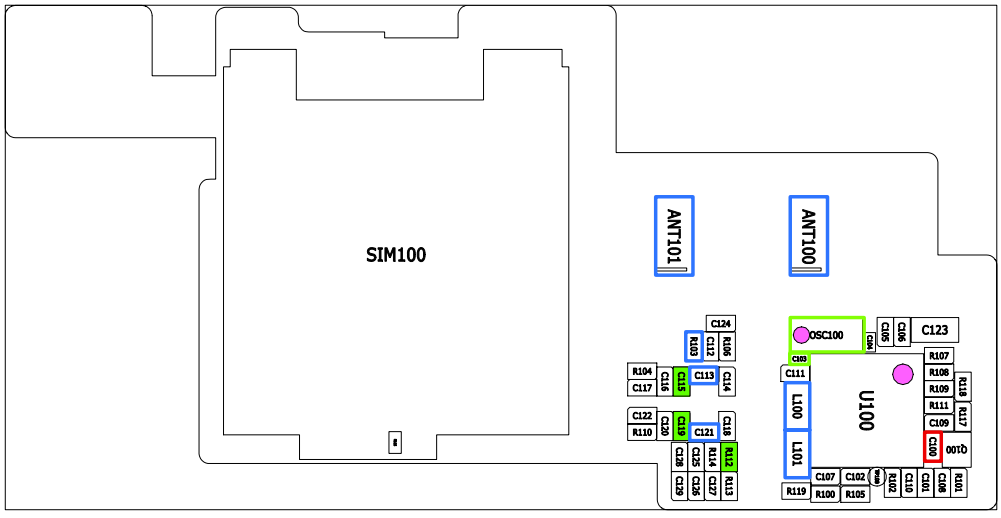

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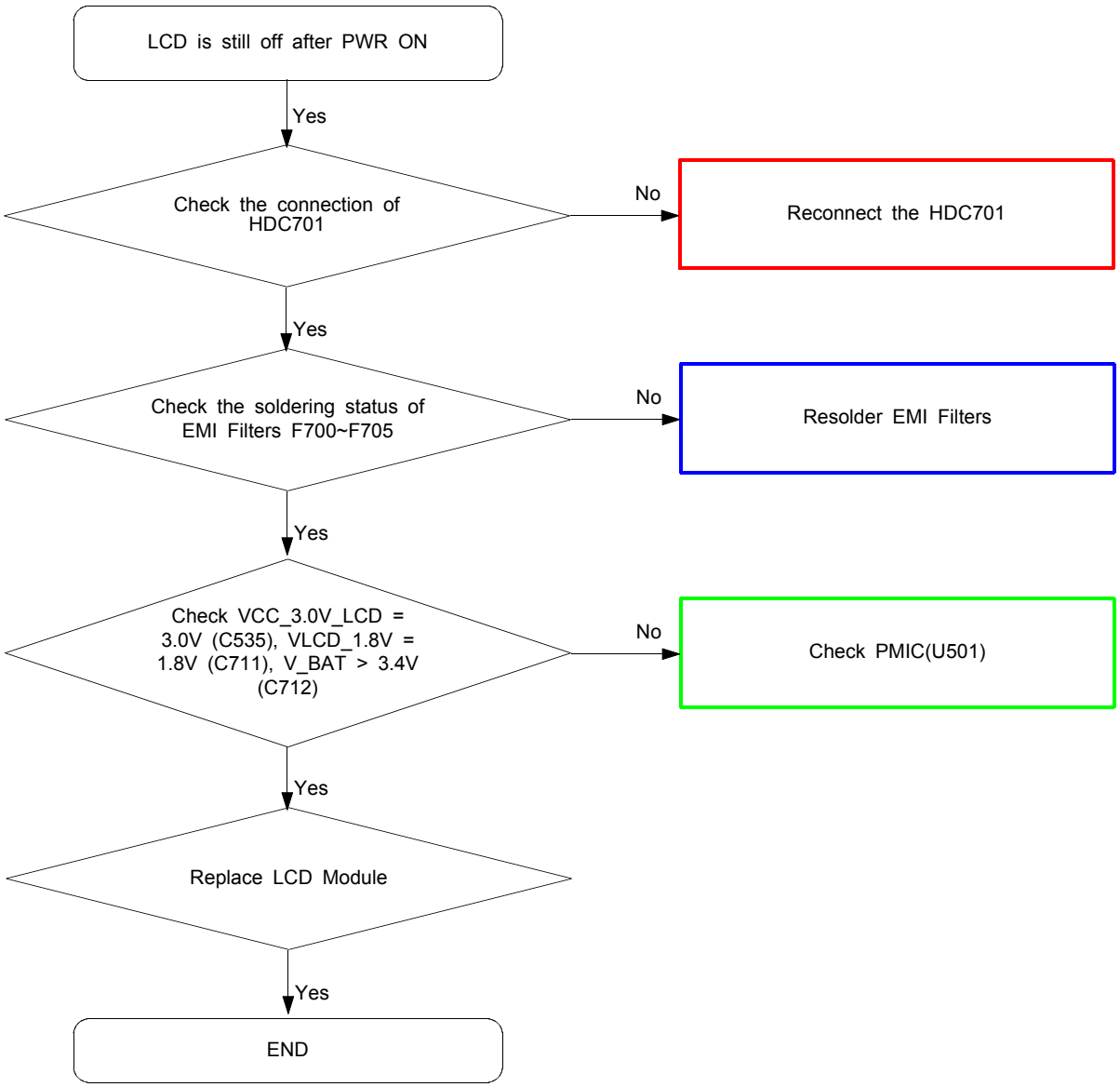
8b-3-10. LCD



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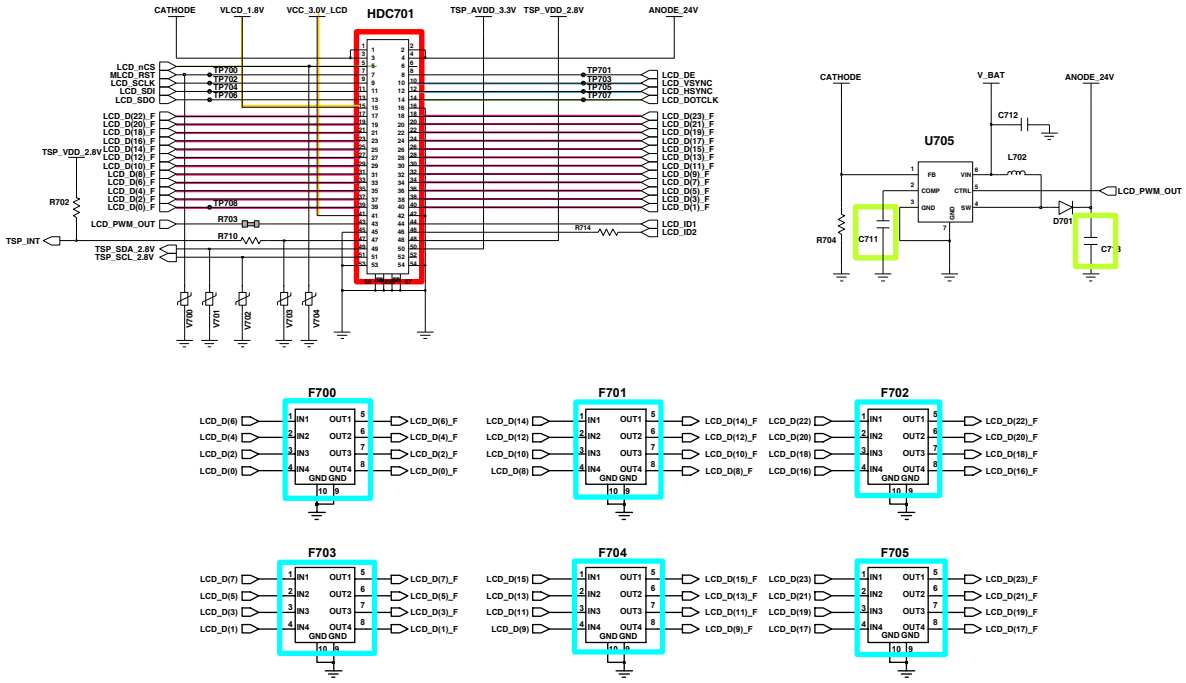

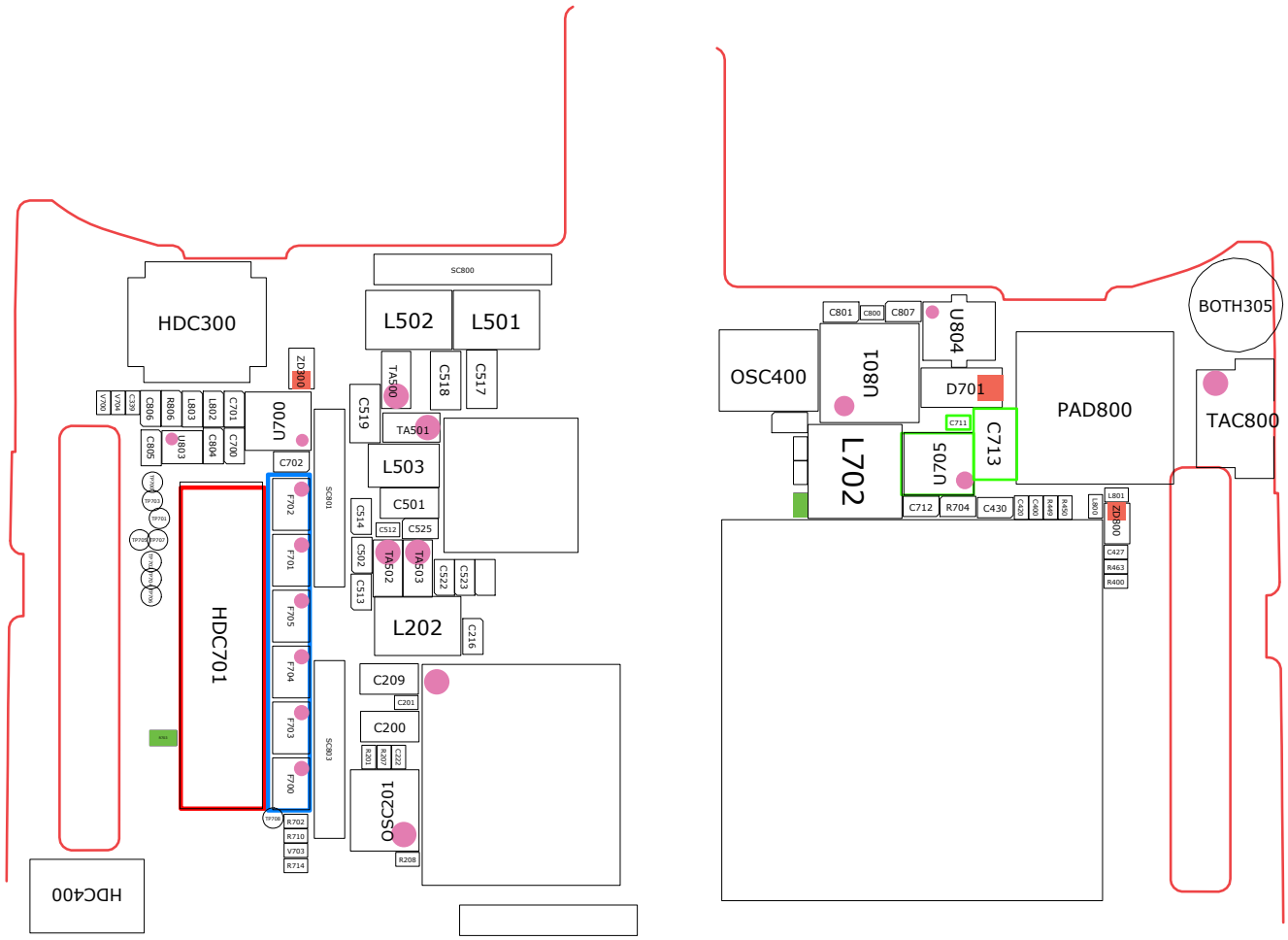

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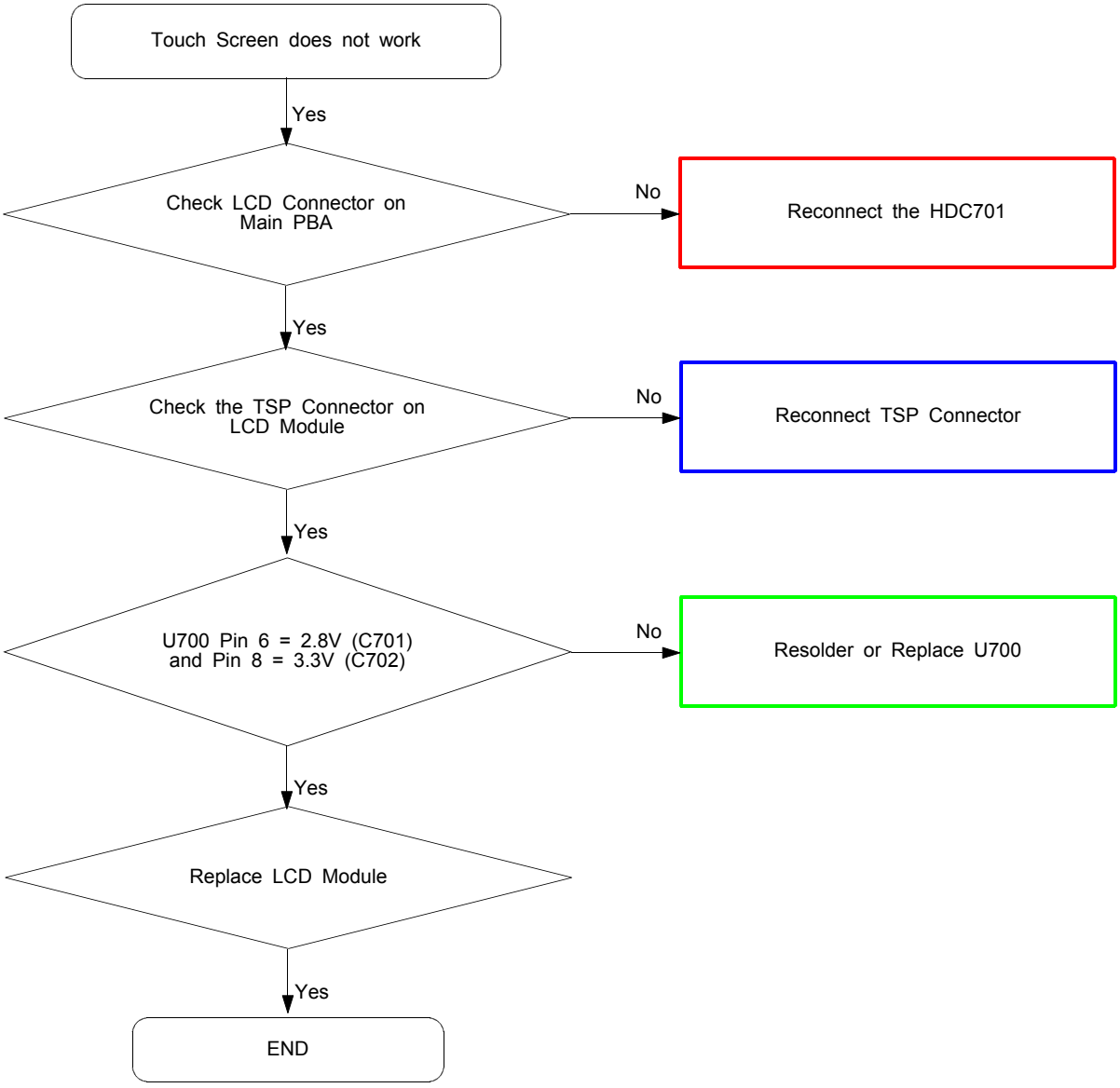
8b-3-11. TSP



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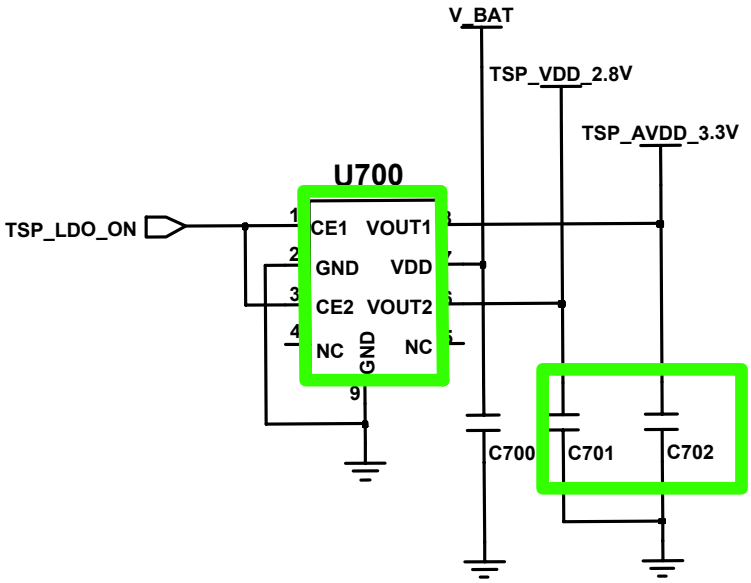

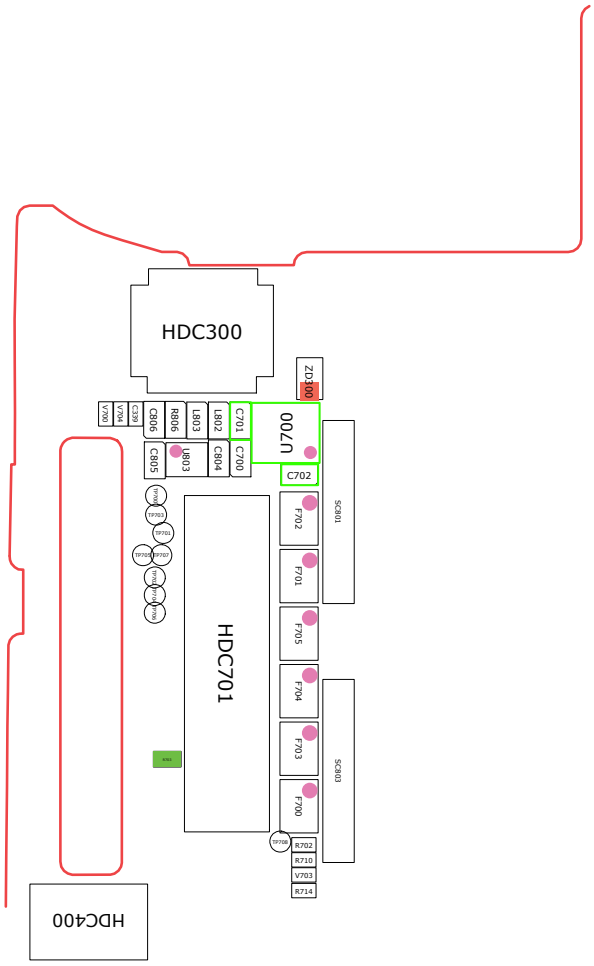

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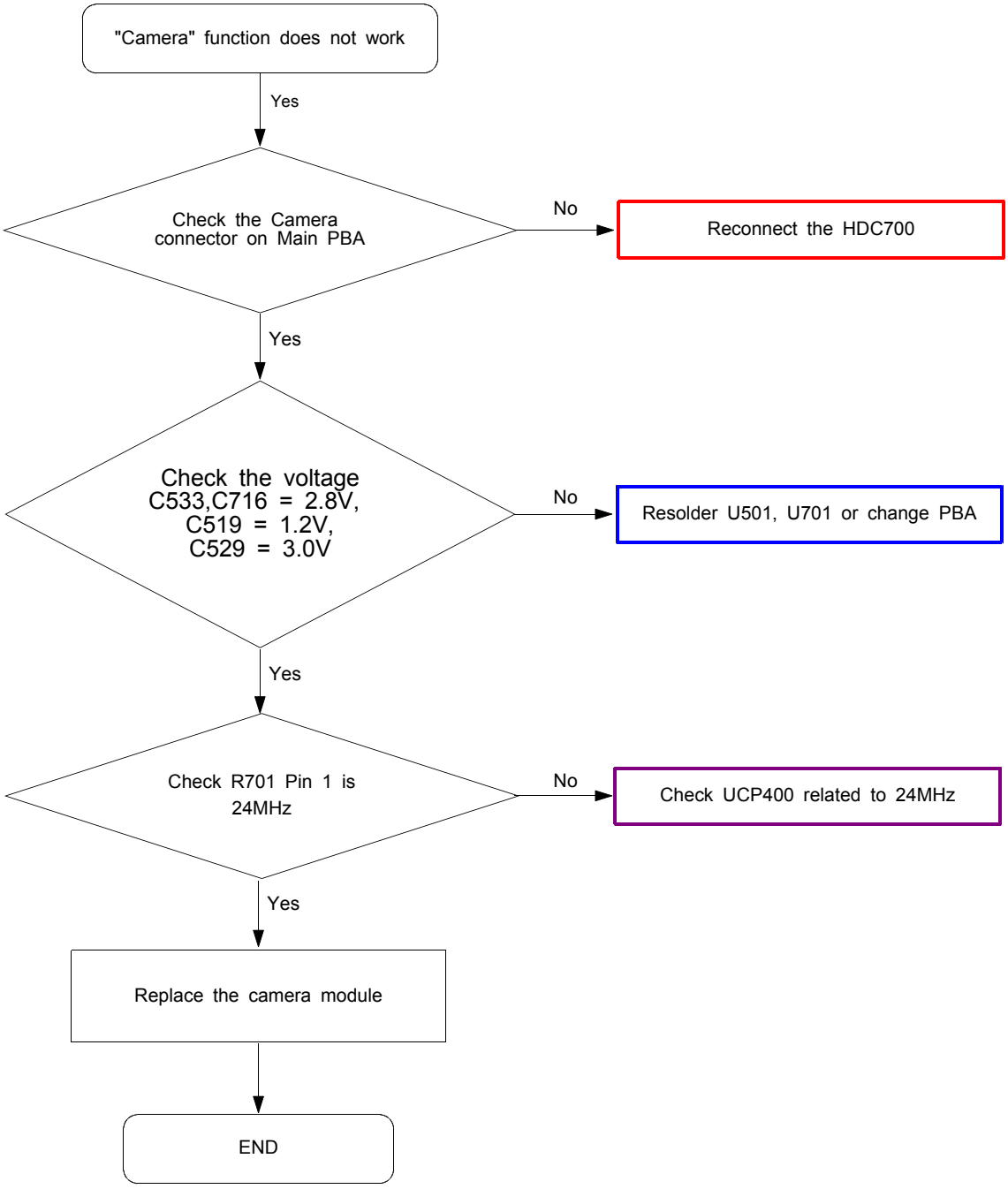
8b-3-12. 5M CAM & VGA



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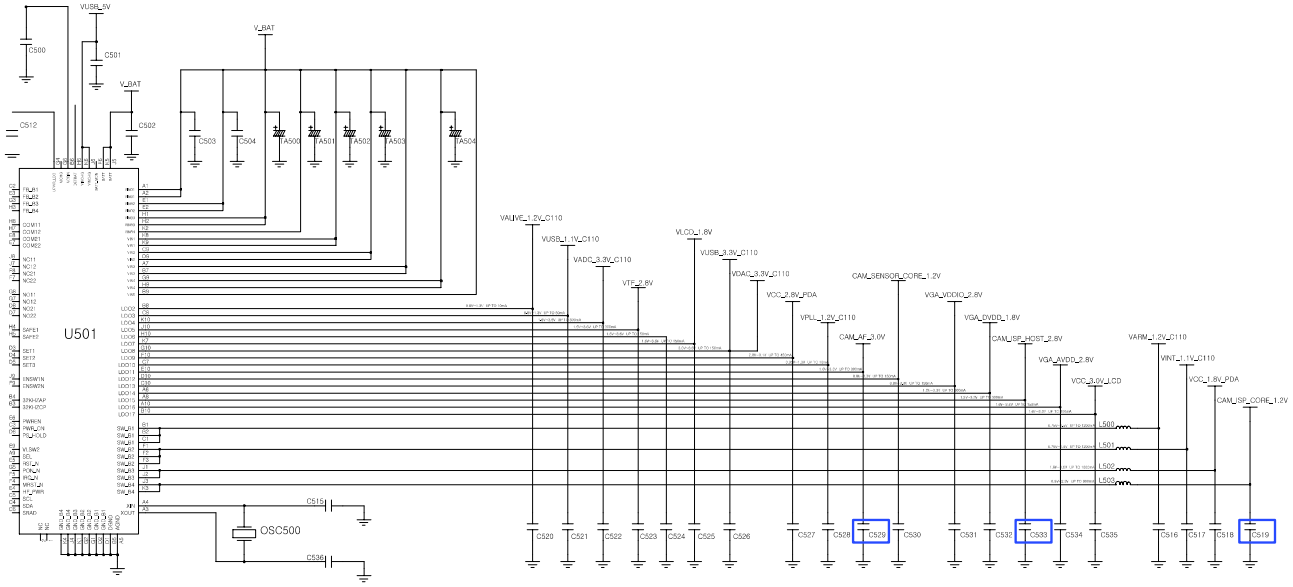

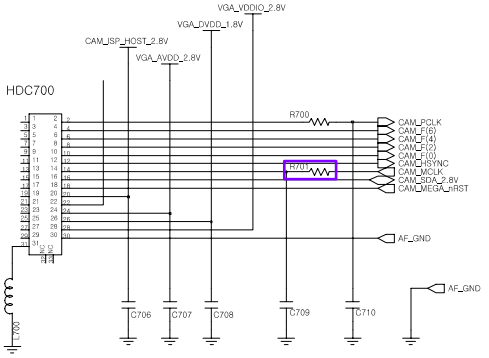

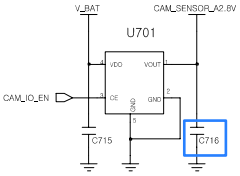

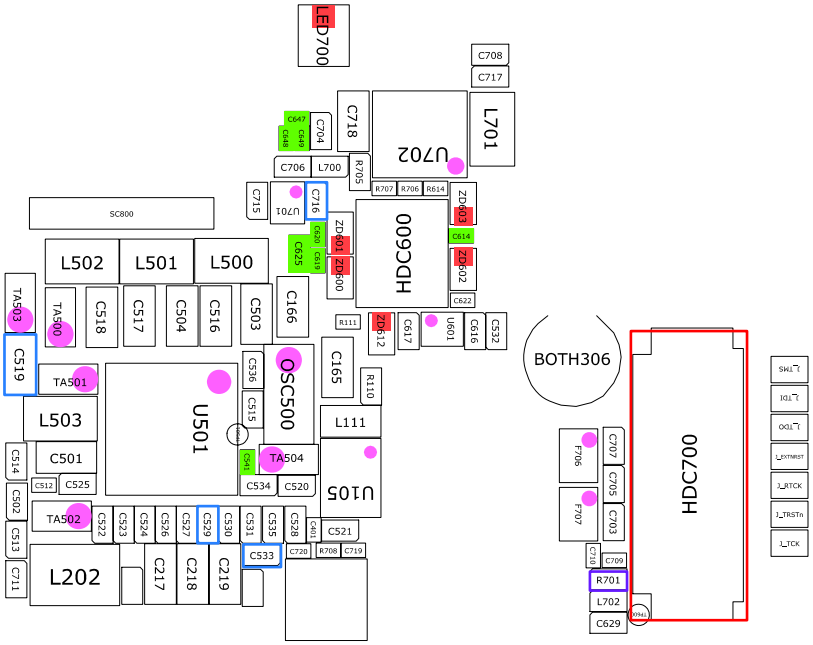

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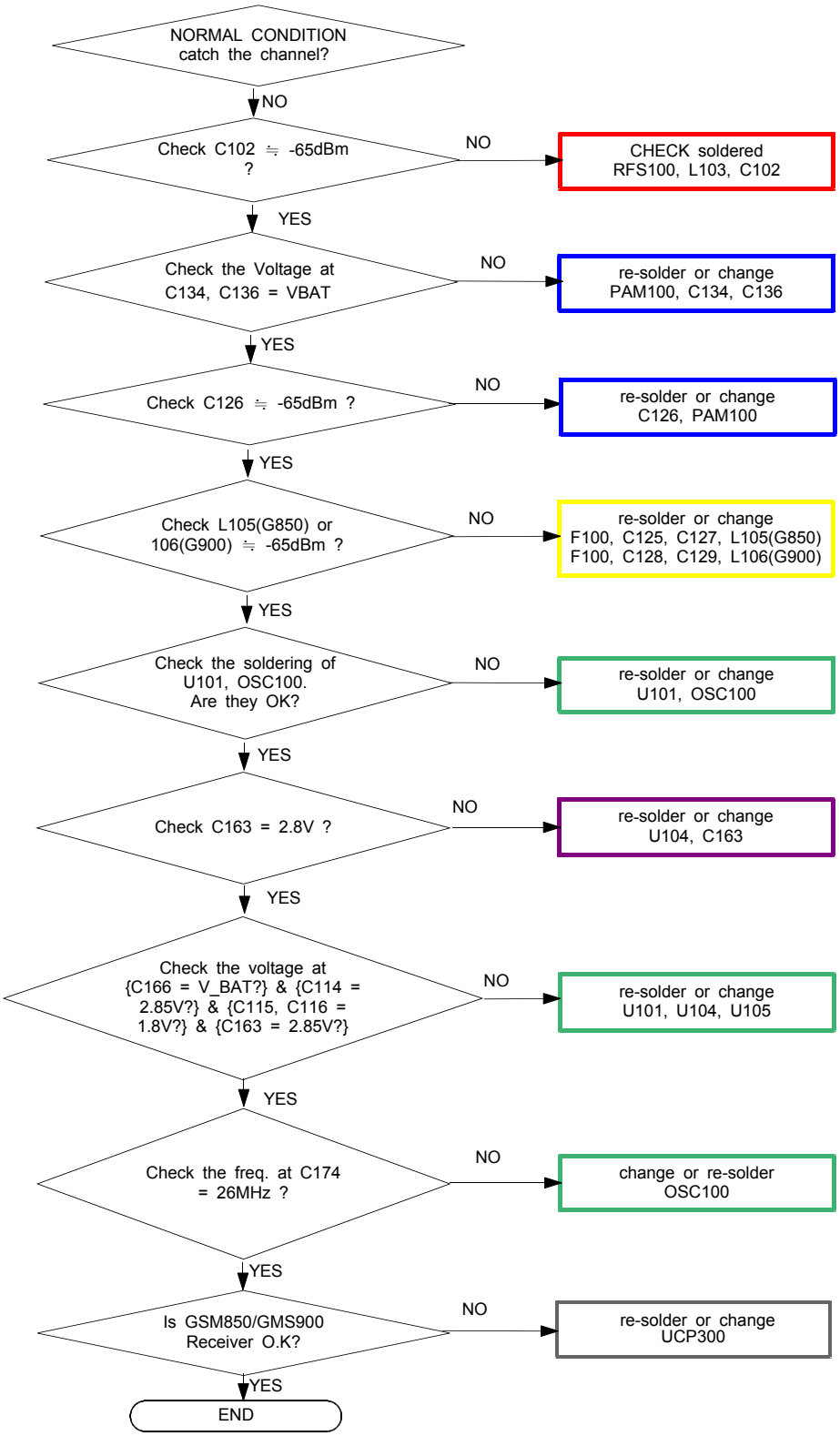
8b-3-13. GSM850/GSM900 RX



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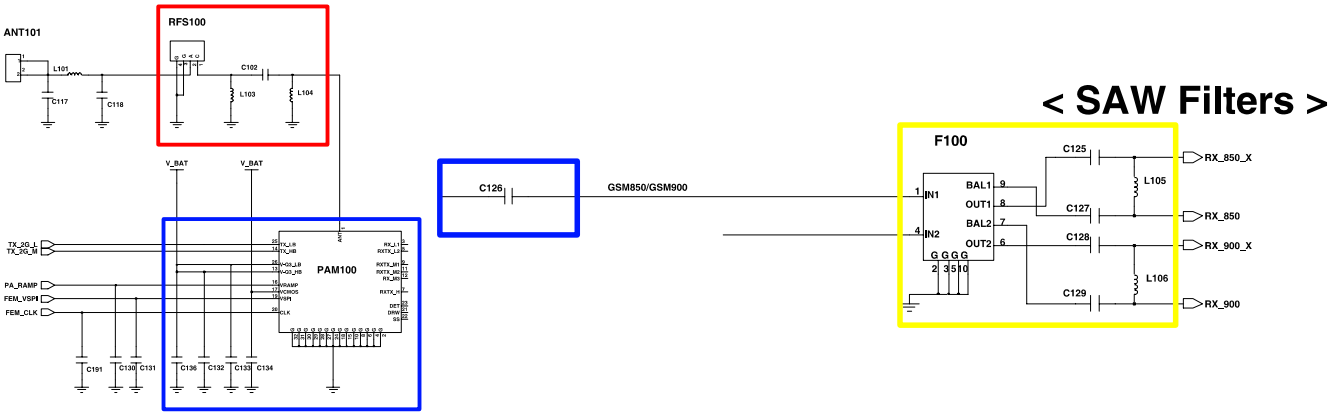

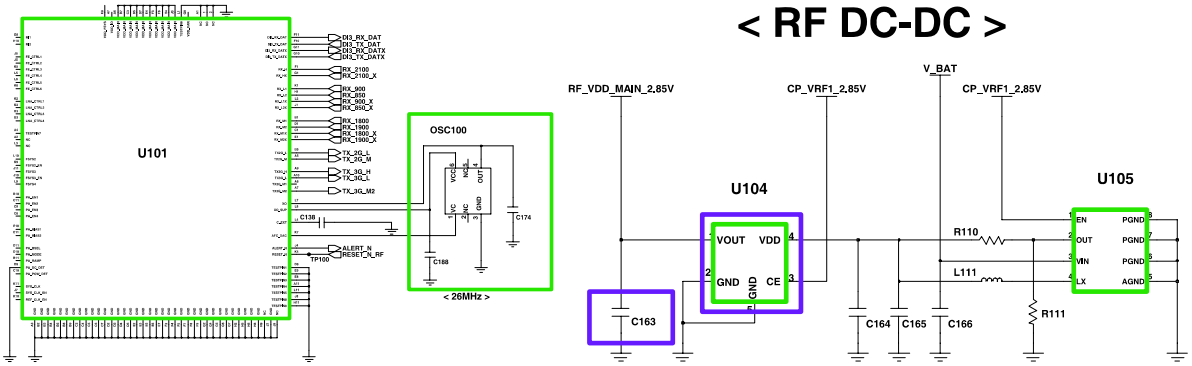

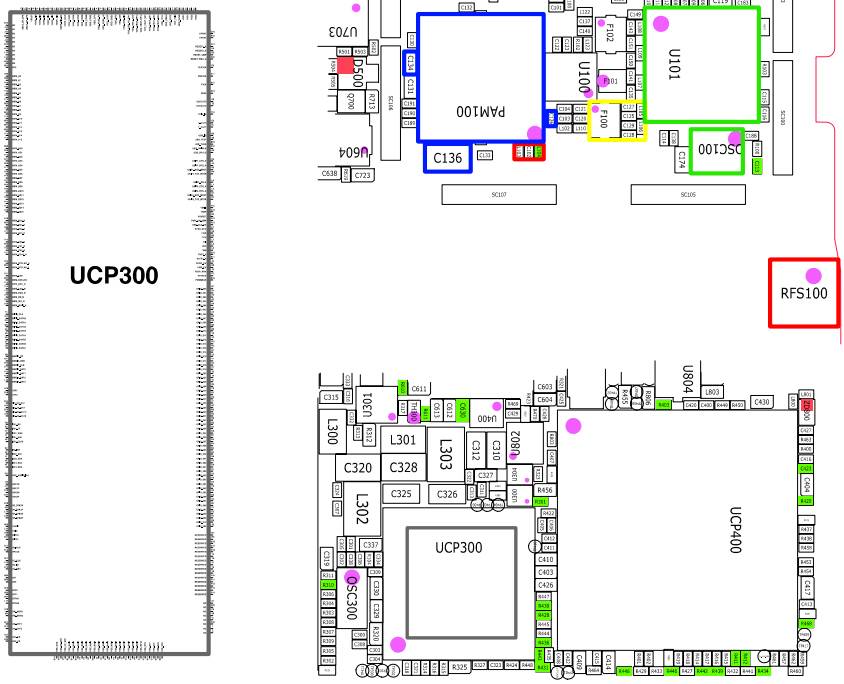

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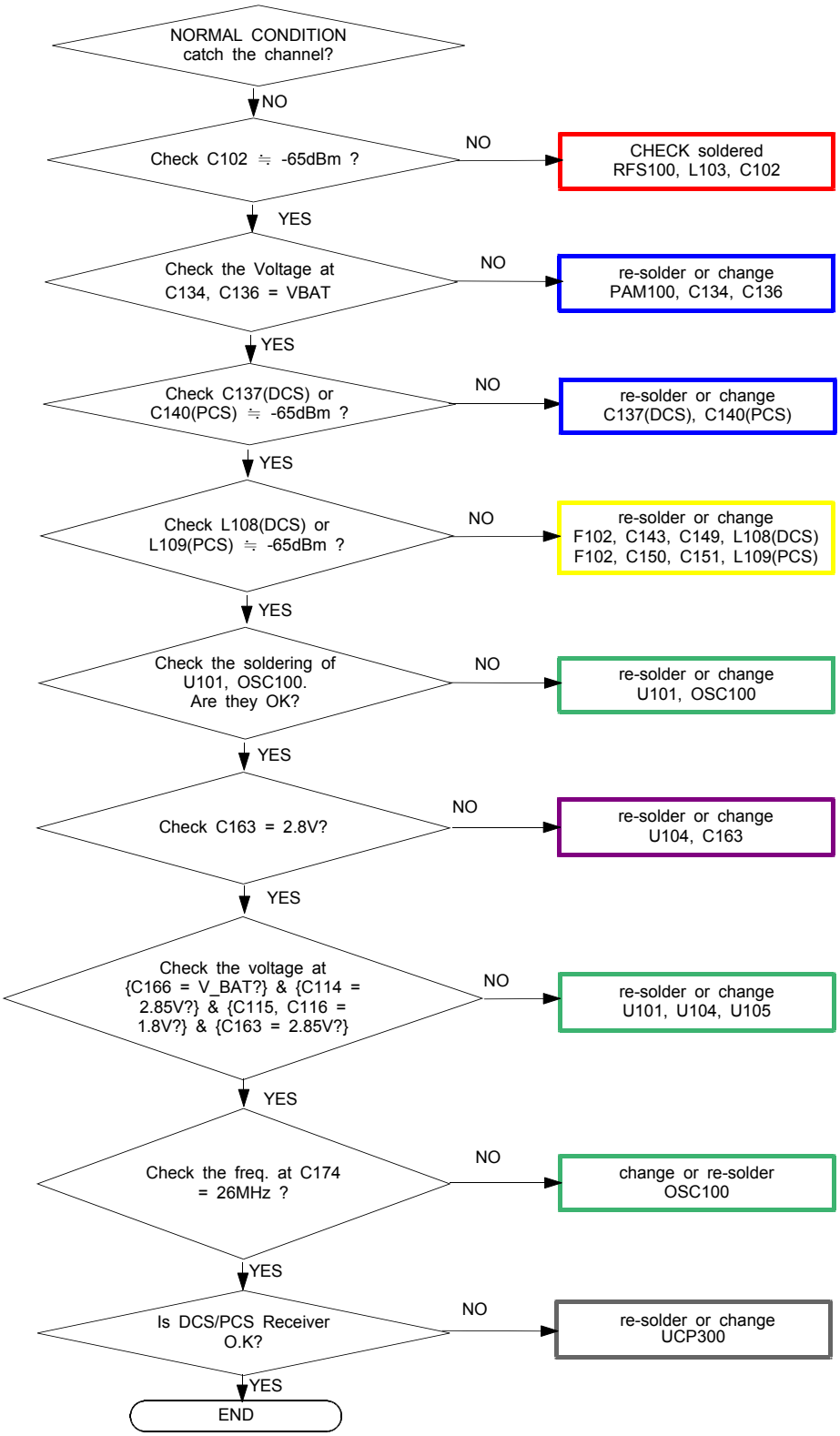
8b-3-14. DCS(GSM1800)/PCS(GSM1900) RX



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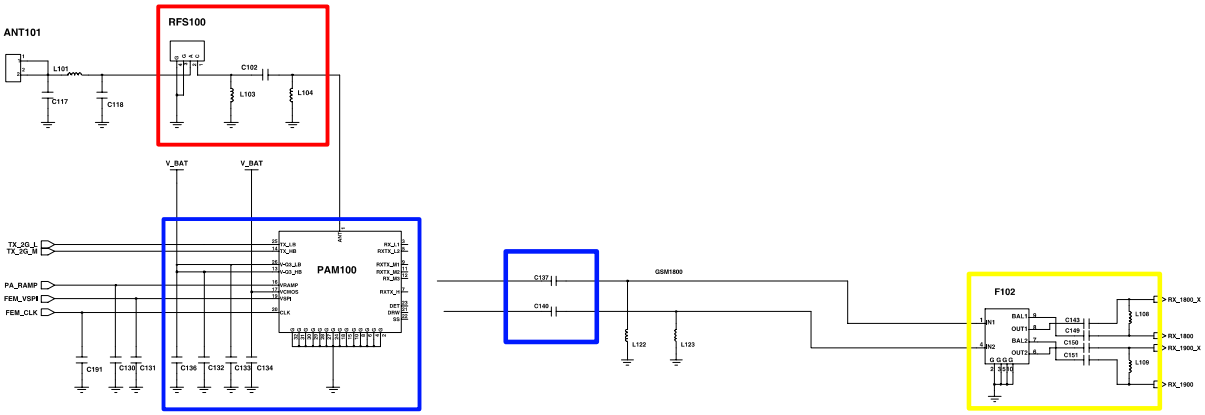

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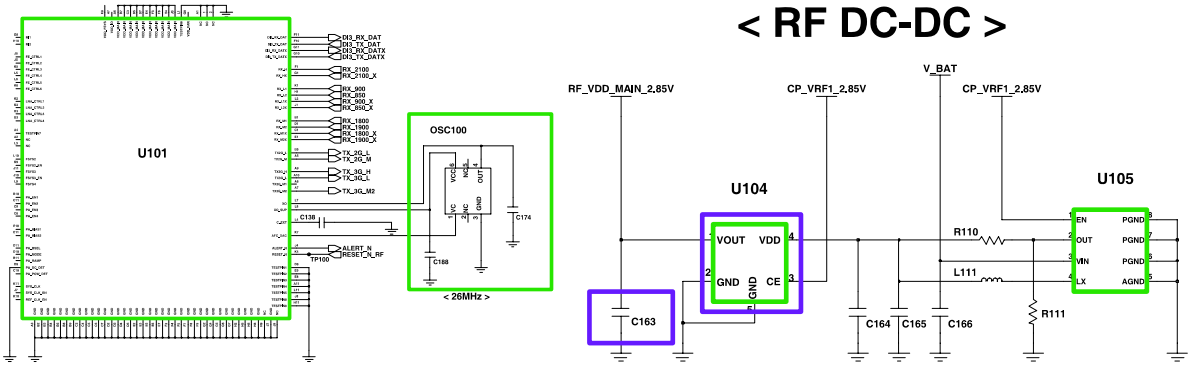

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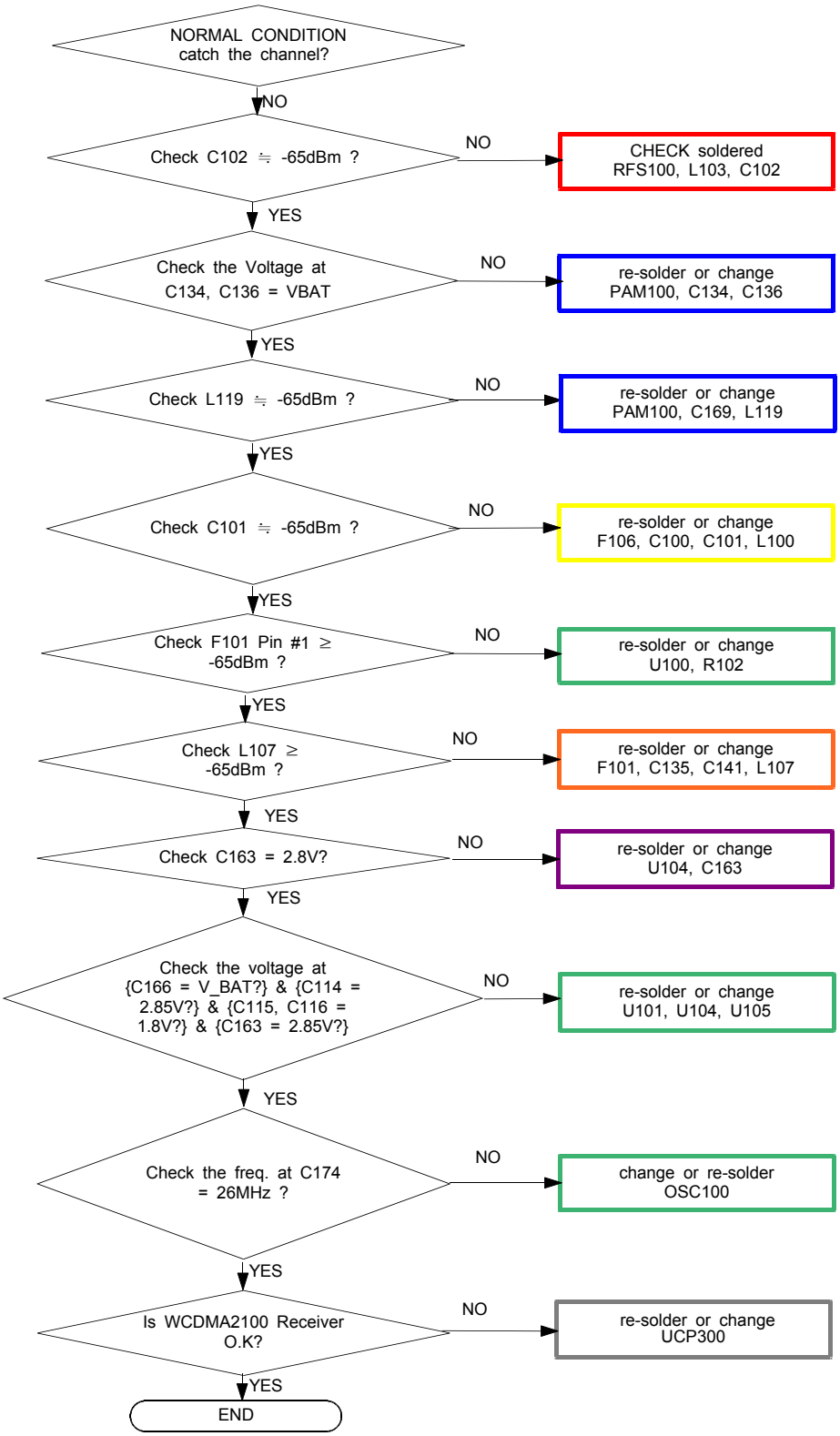
8b-3-15. WCDMA2100 RX



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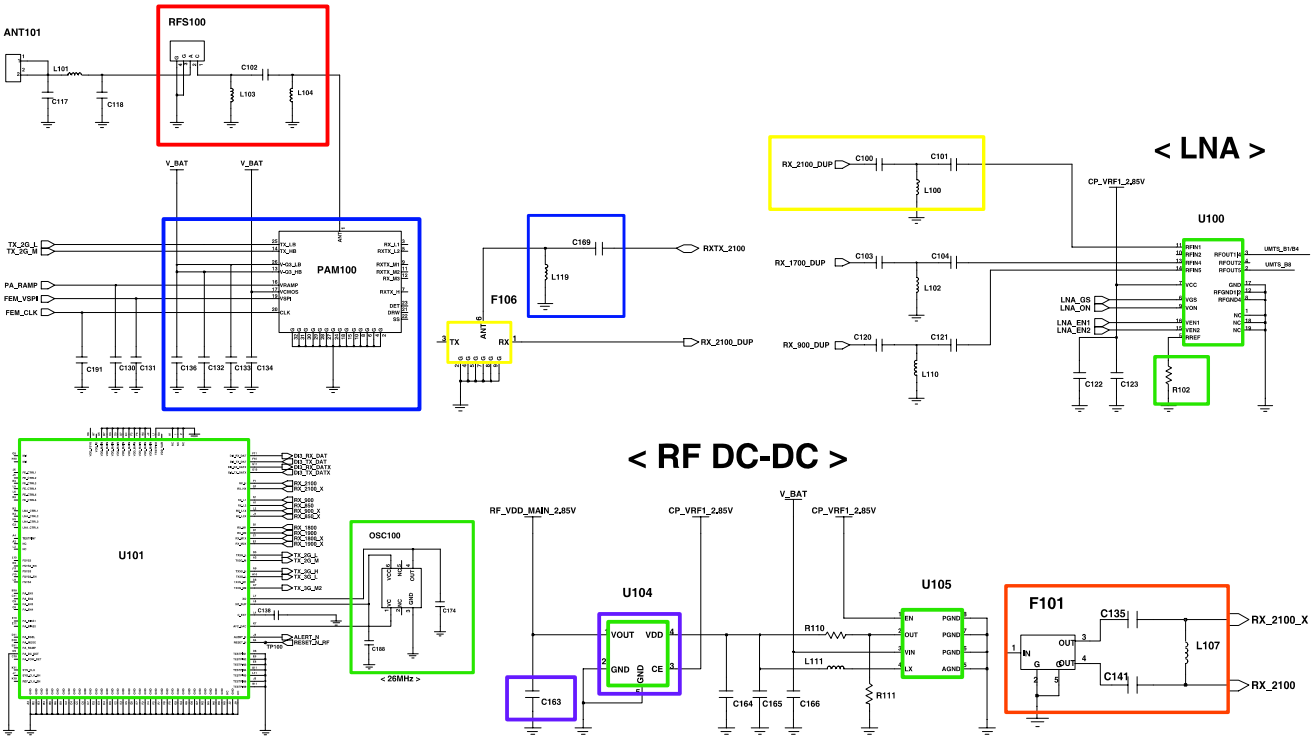

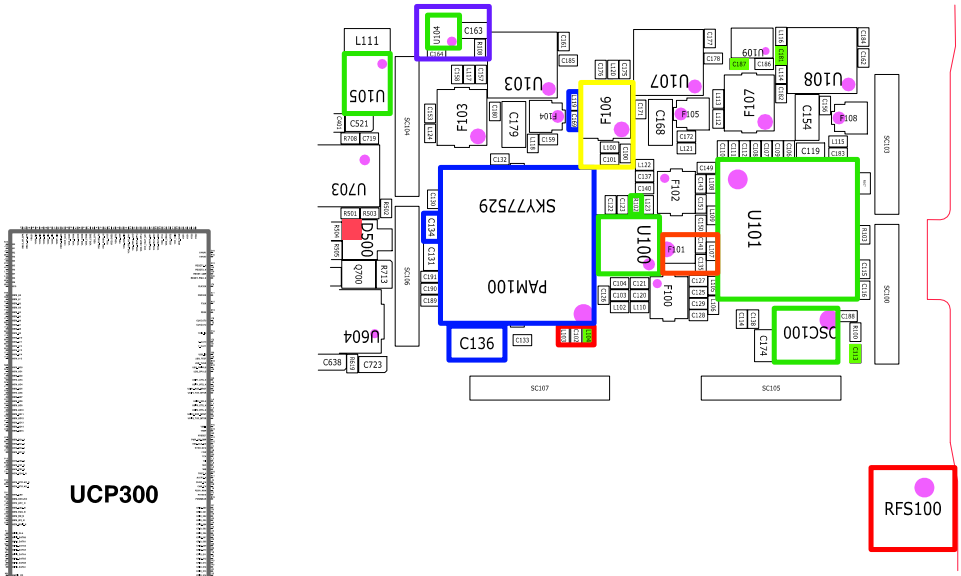

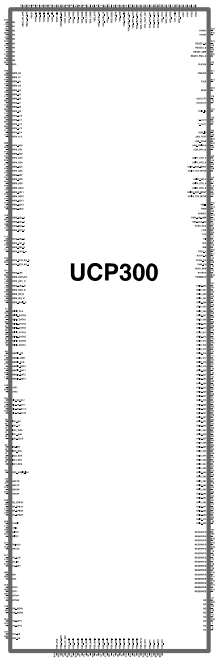

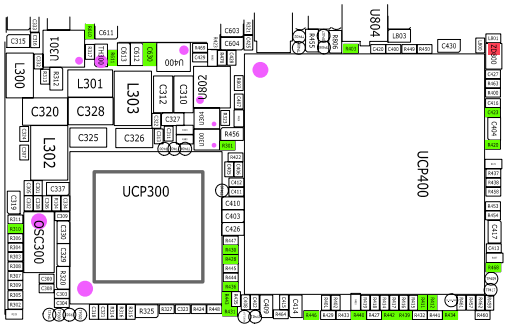

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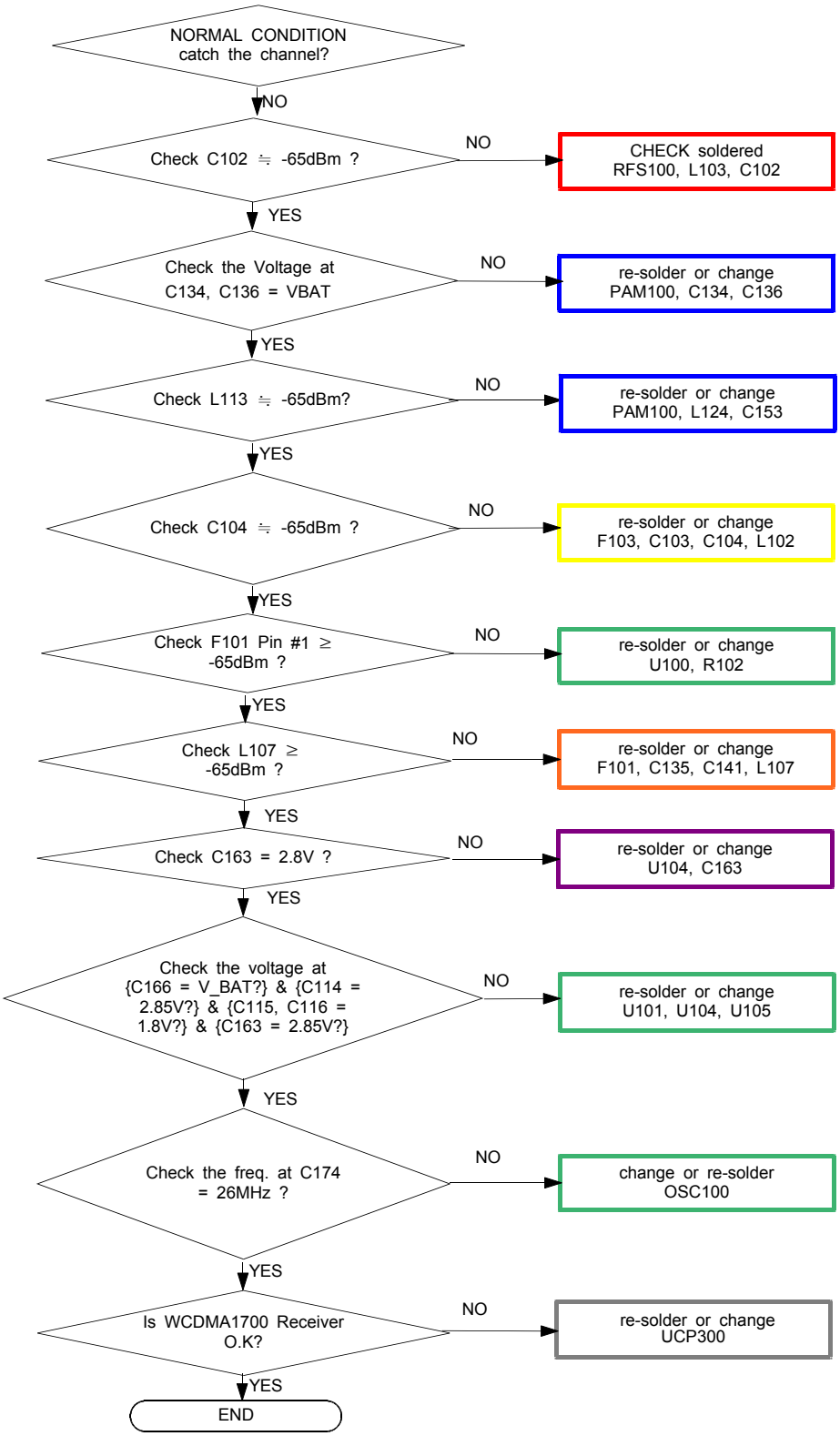
8b-3-16. WCDMA1700 RX



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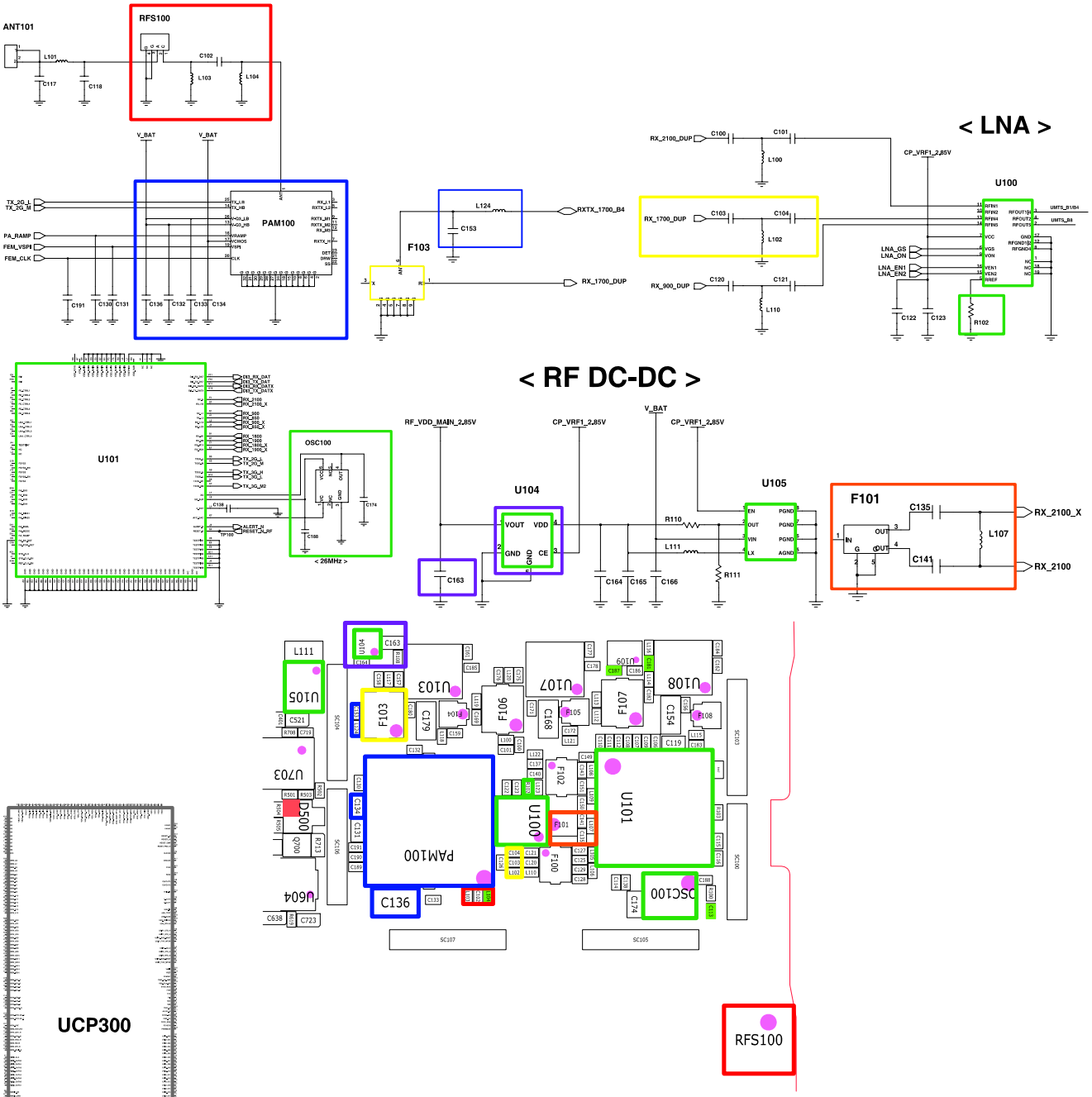

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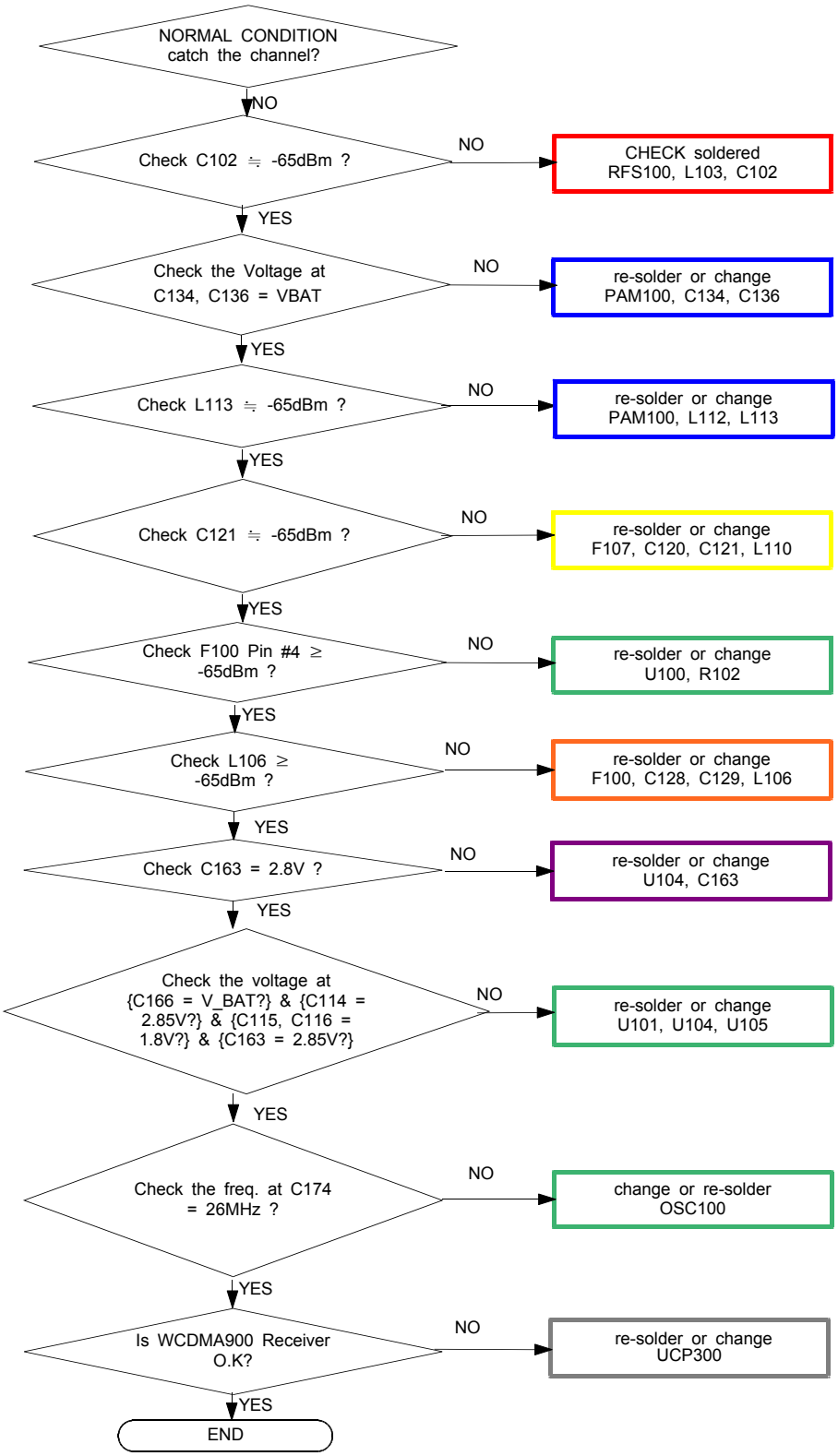
8b-3-17. WCDMA900 RX



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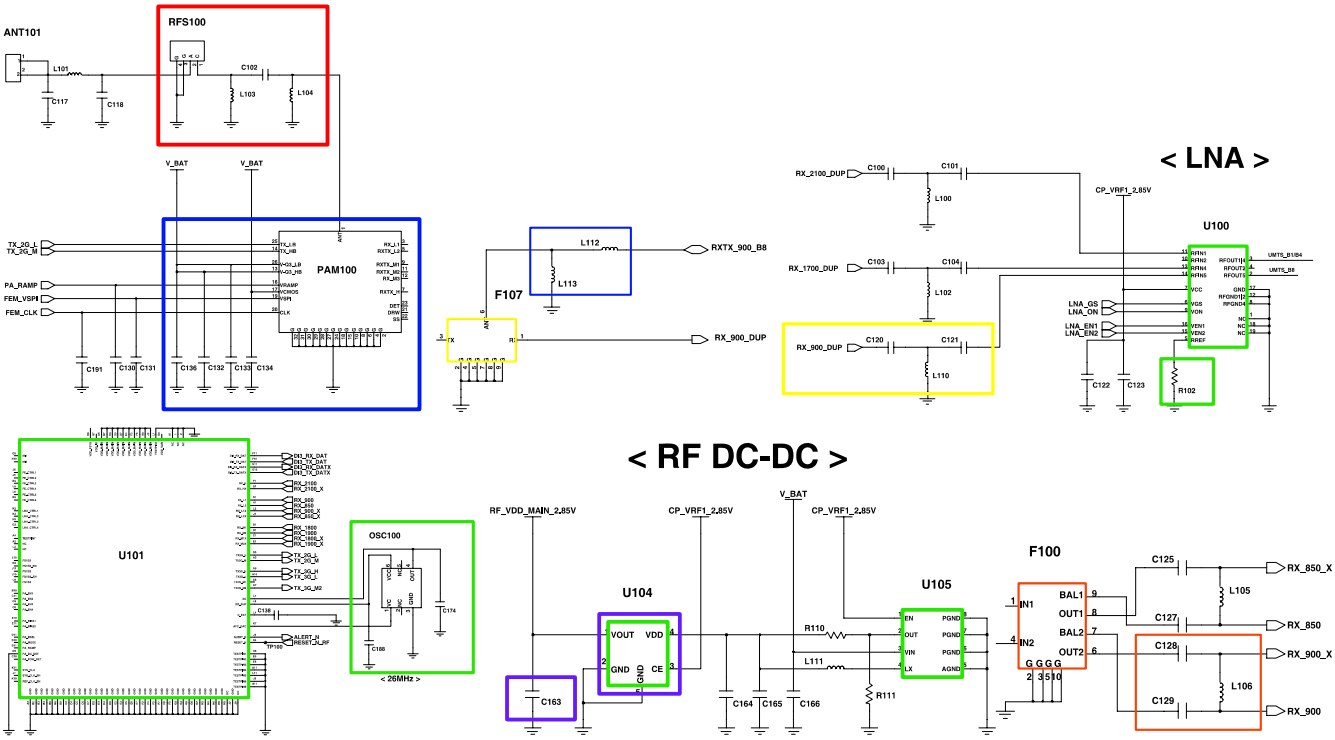

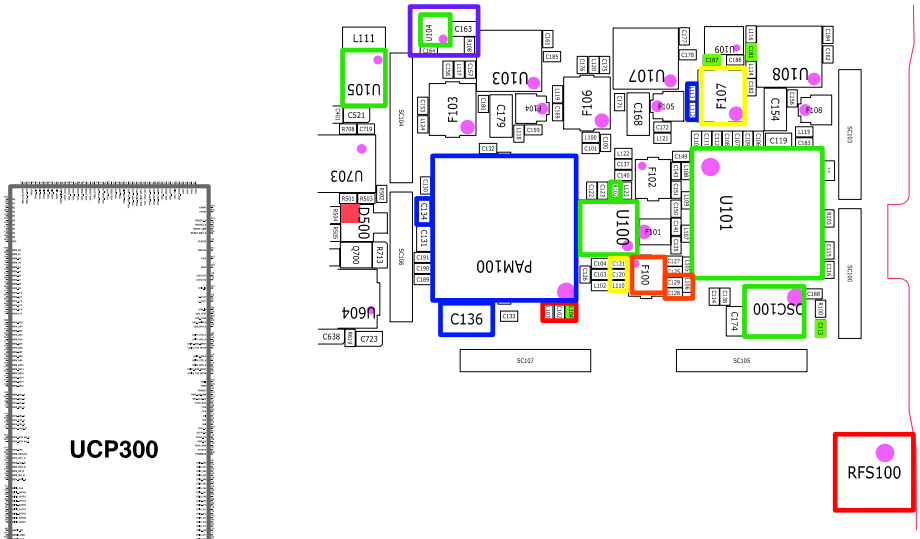

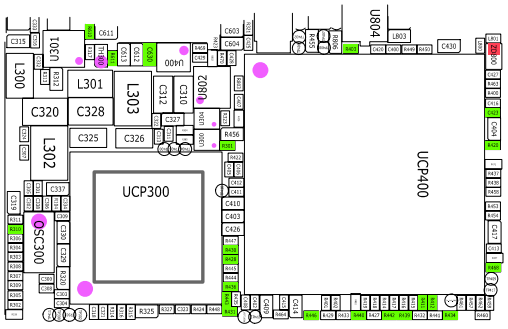

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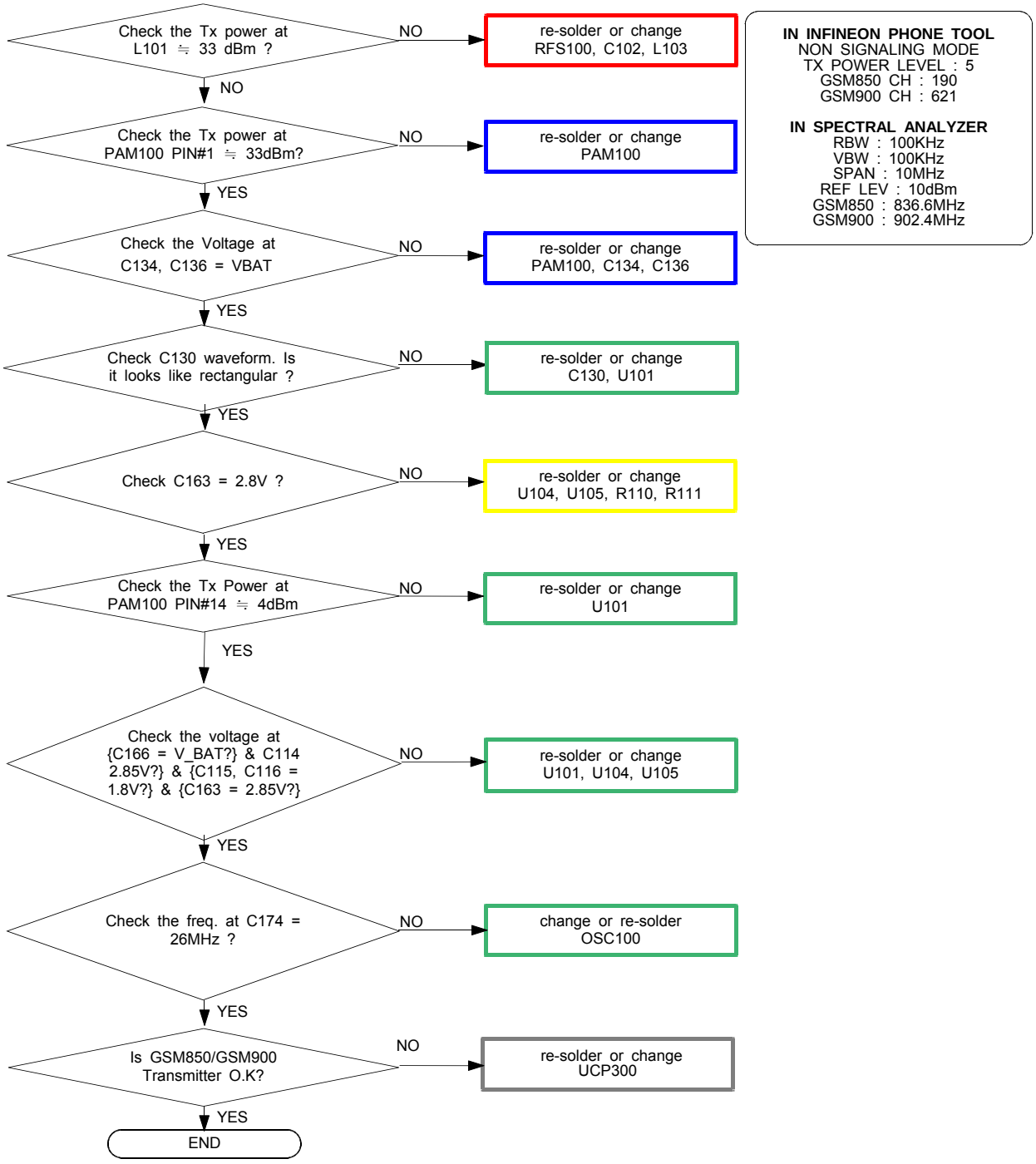
8b-3-18. GSM850/GSM900 TX



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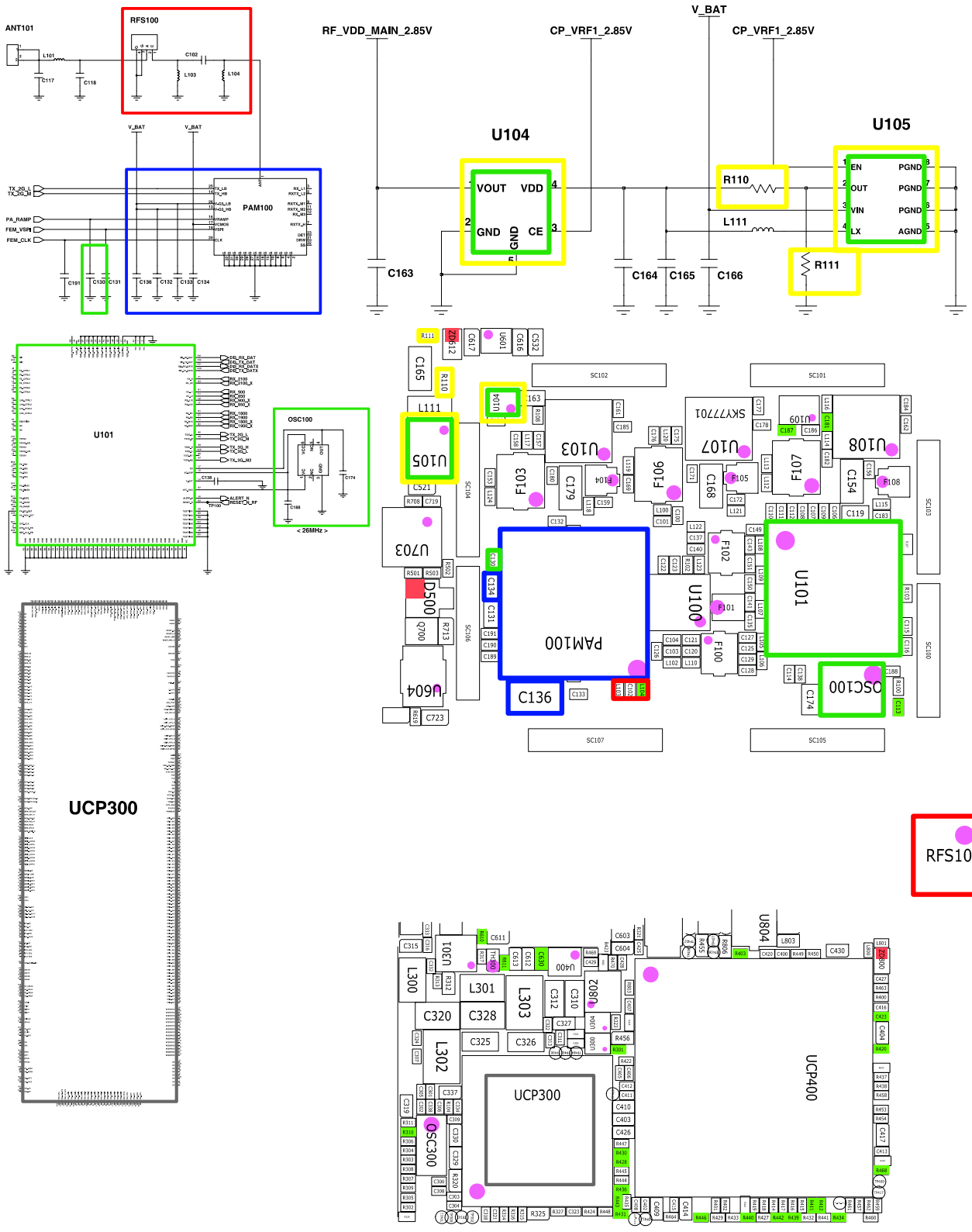

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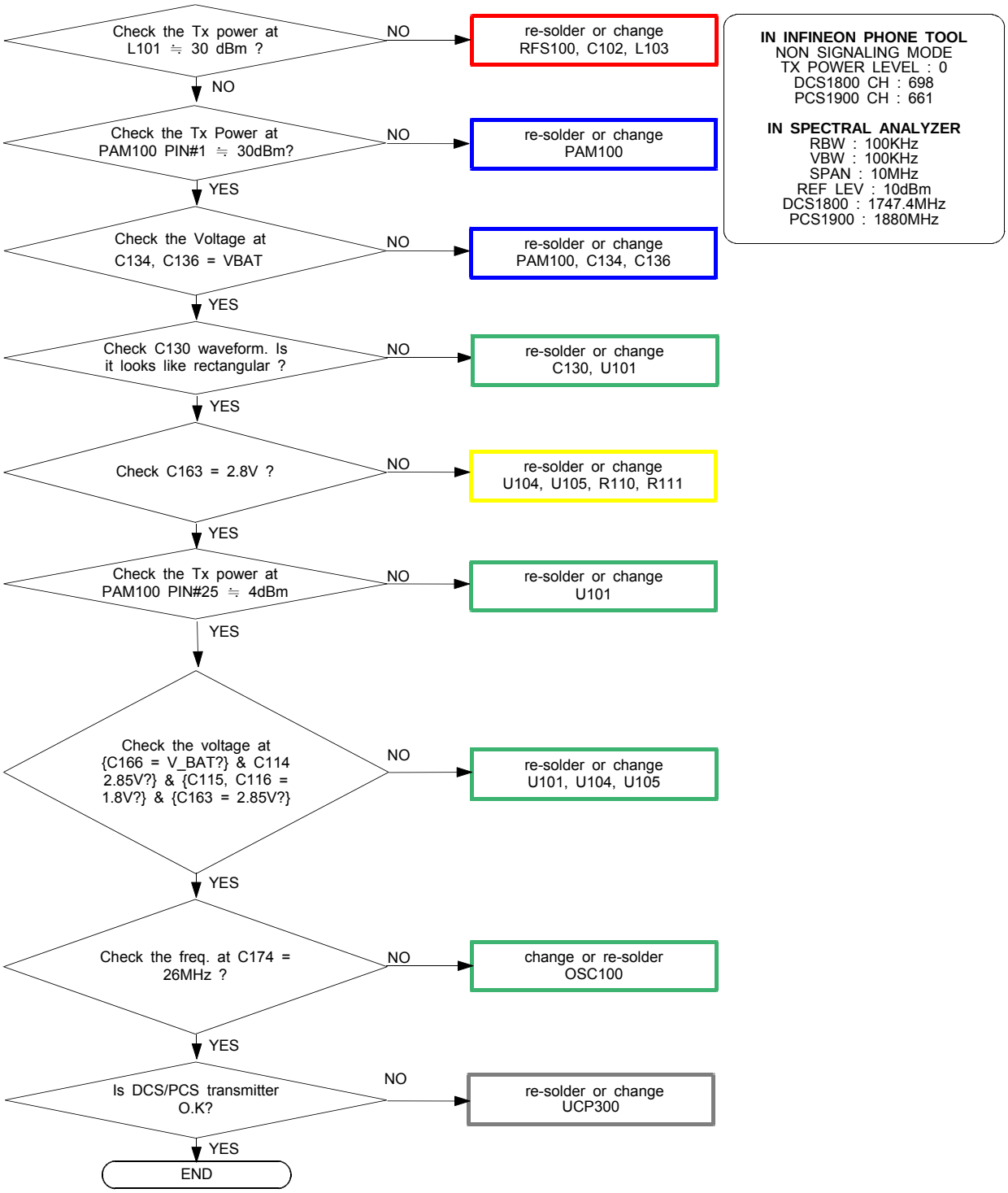
8b-3-19. DCS(GSM1800)/PCS(GSM1900) TX



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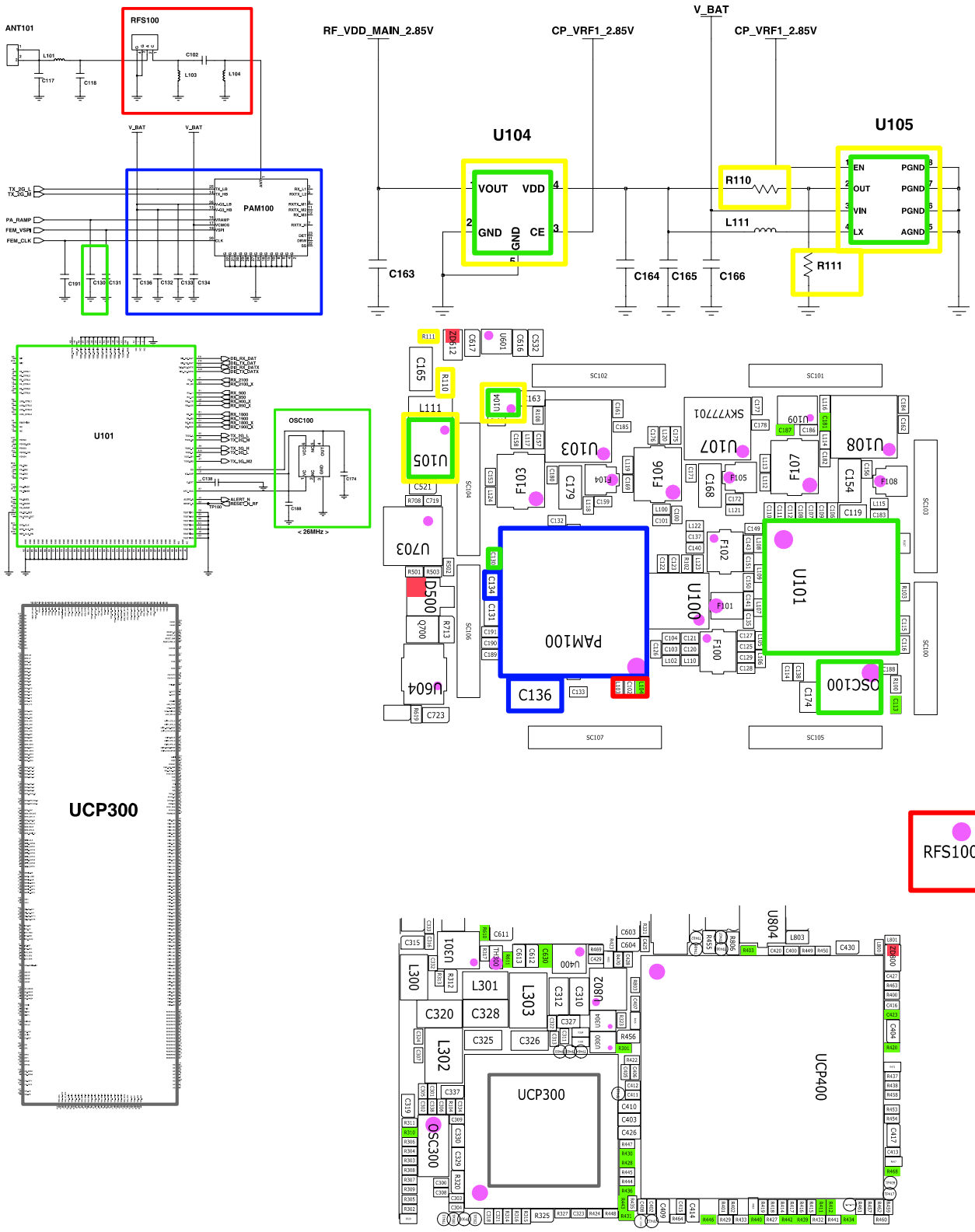

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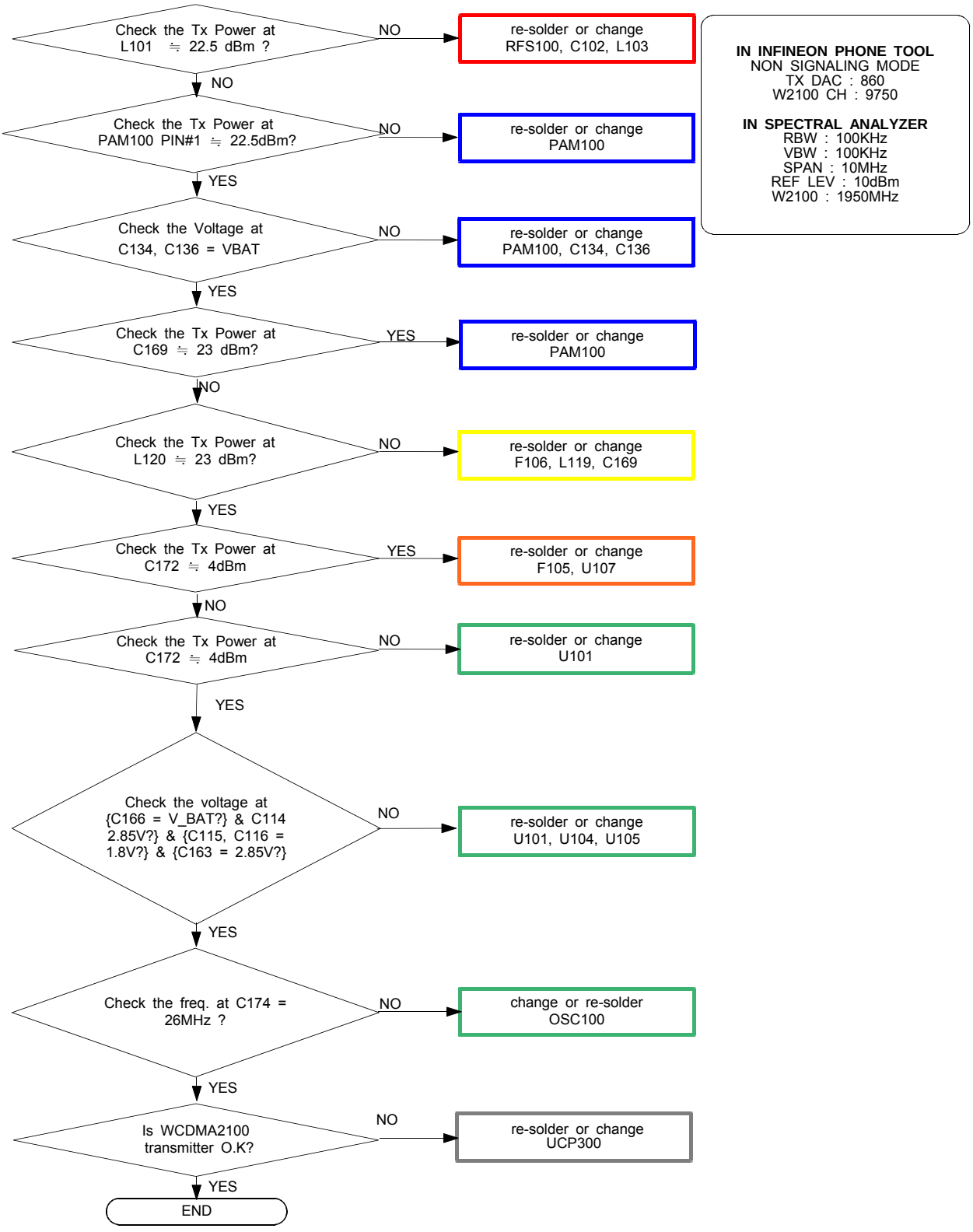
8b-3-20. WCDMA2100 TX



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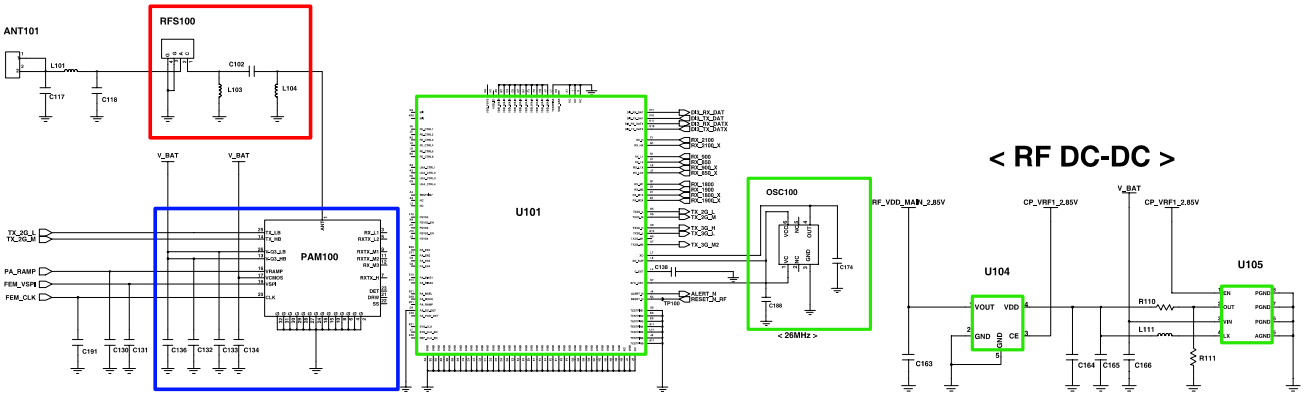

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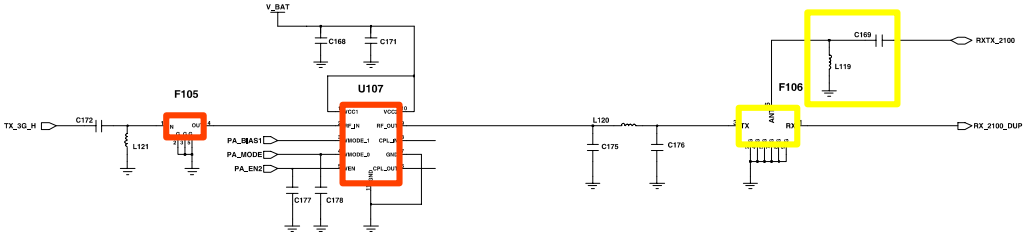

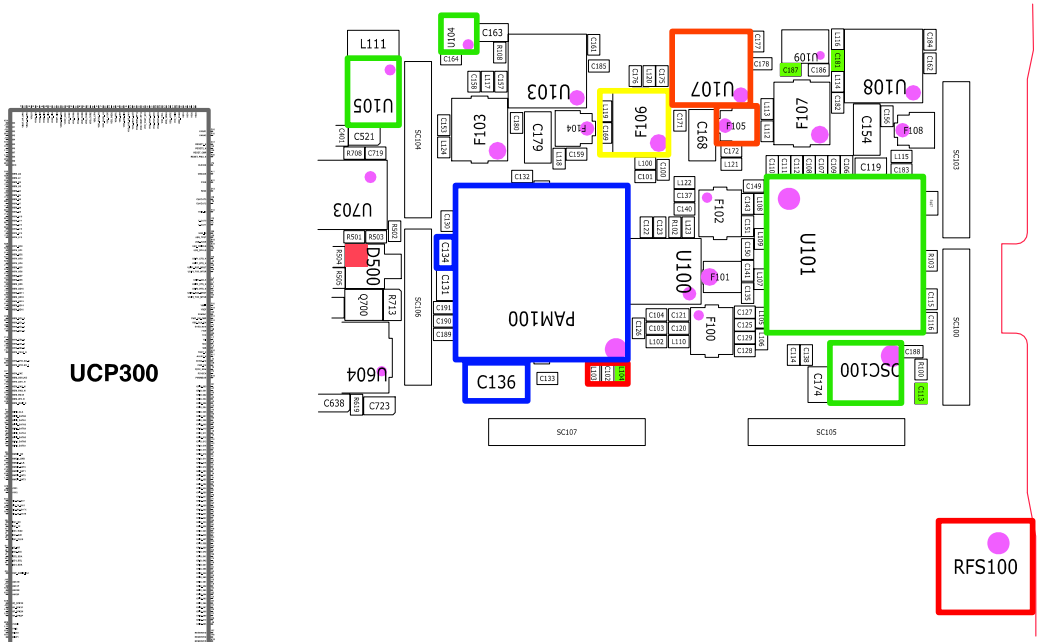

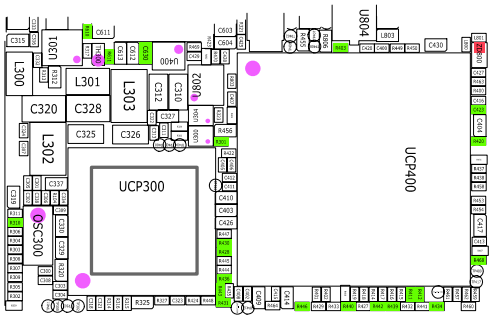

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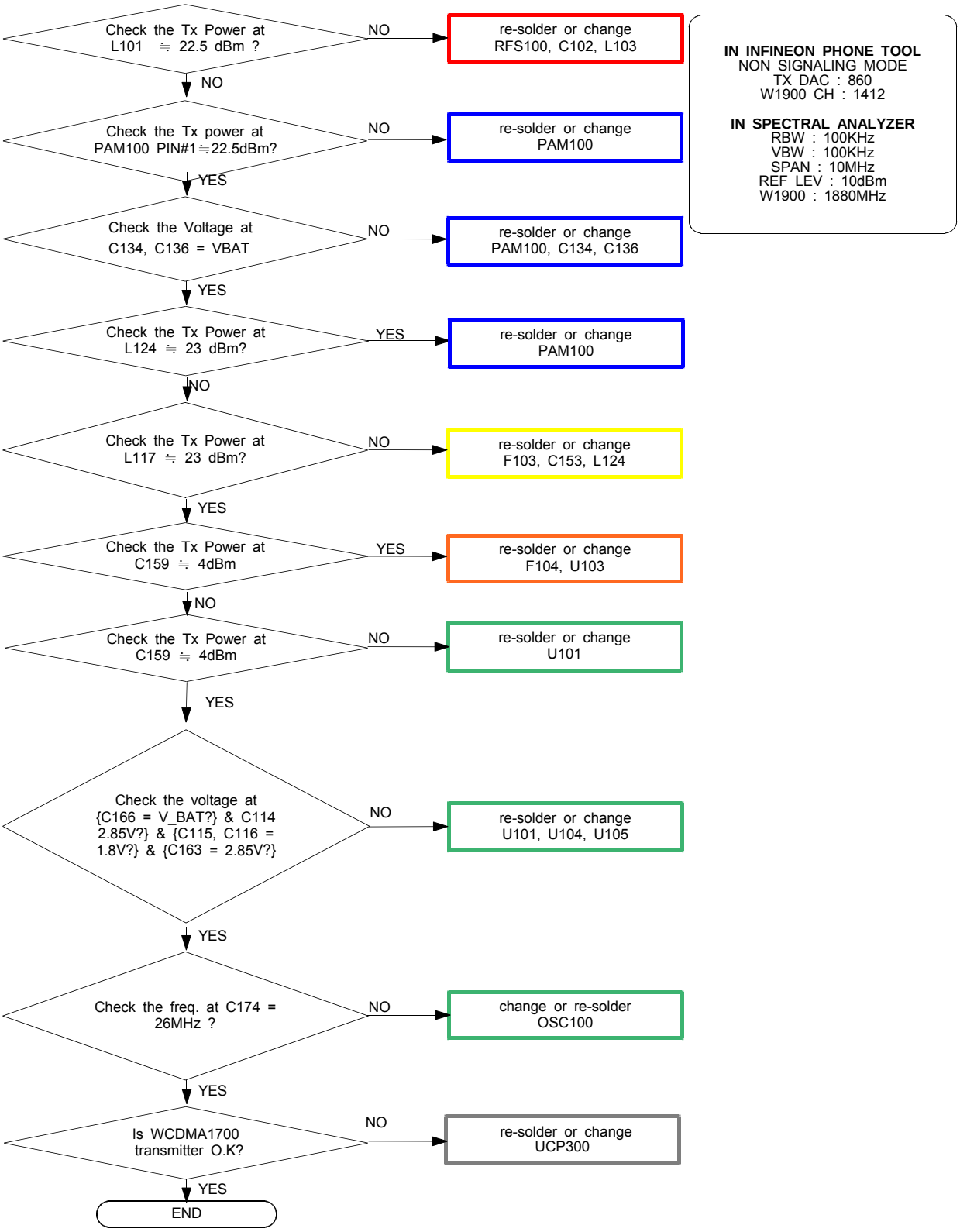
8b-3-21. WCDMA1700 TX



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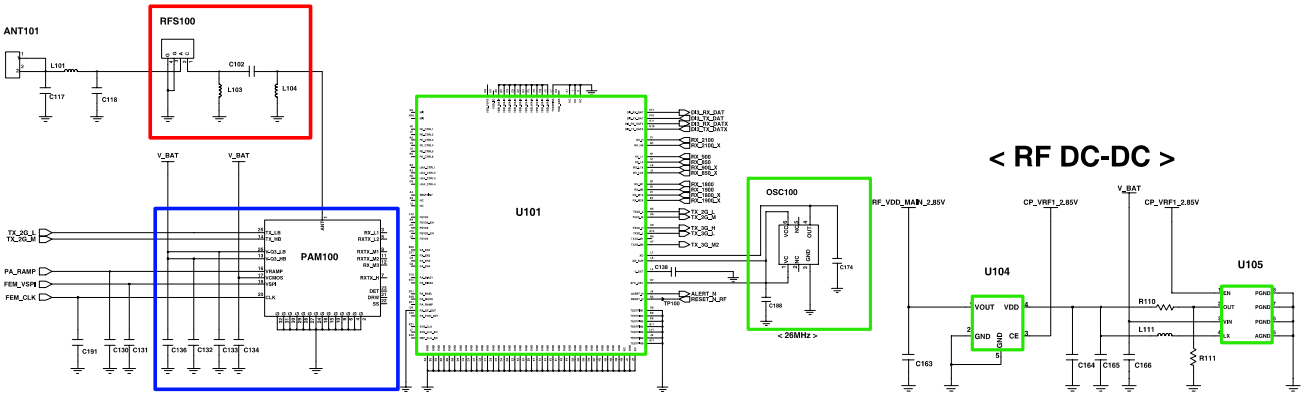

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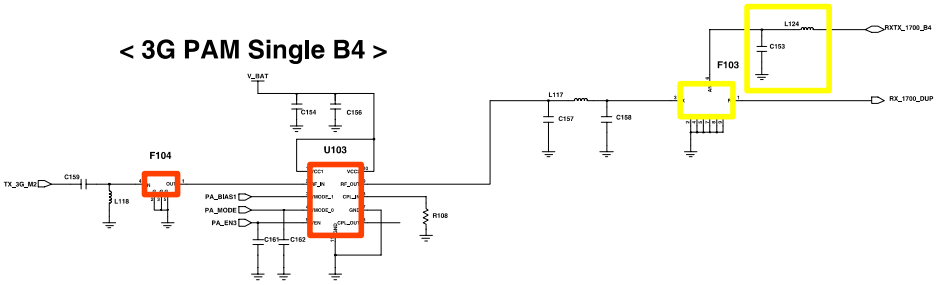

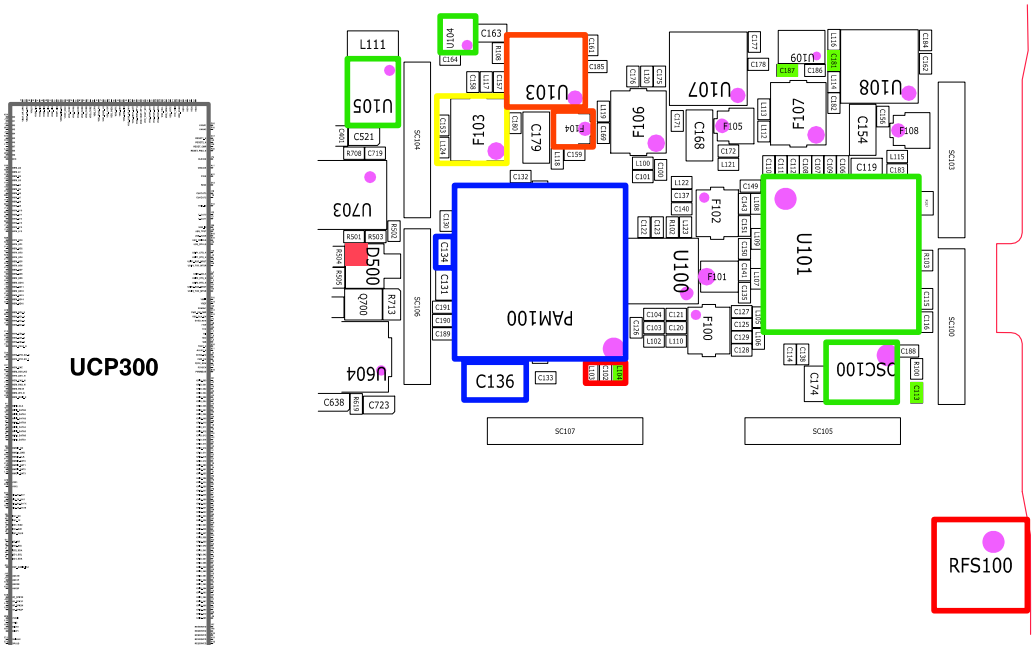

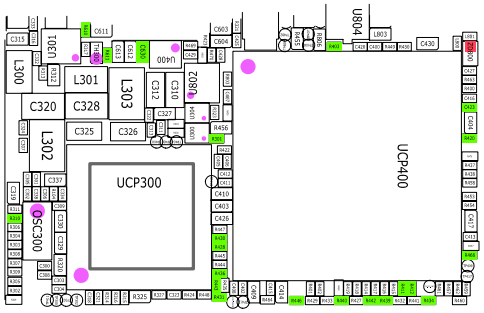

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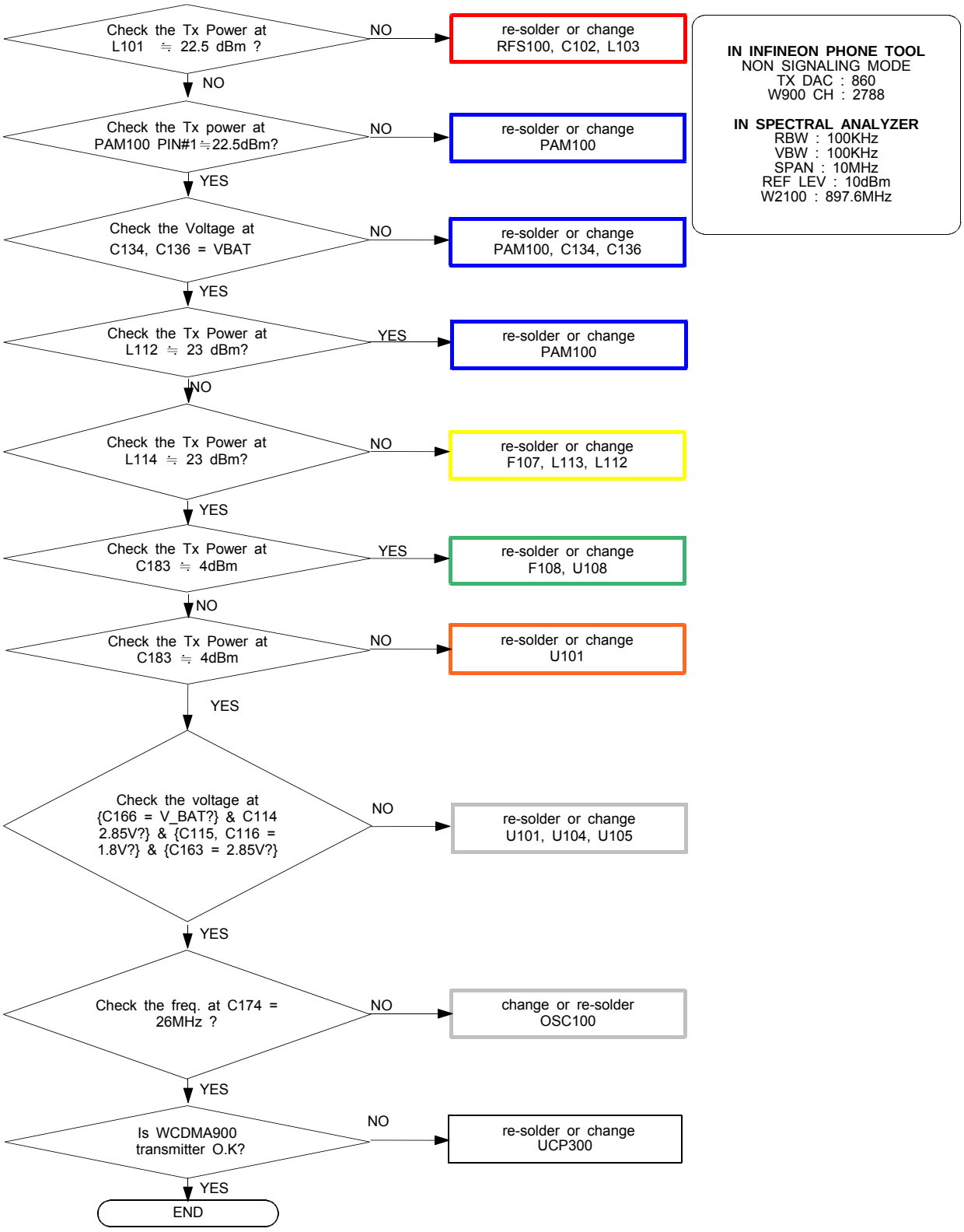
8b-3-22. WCDMA900 TX



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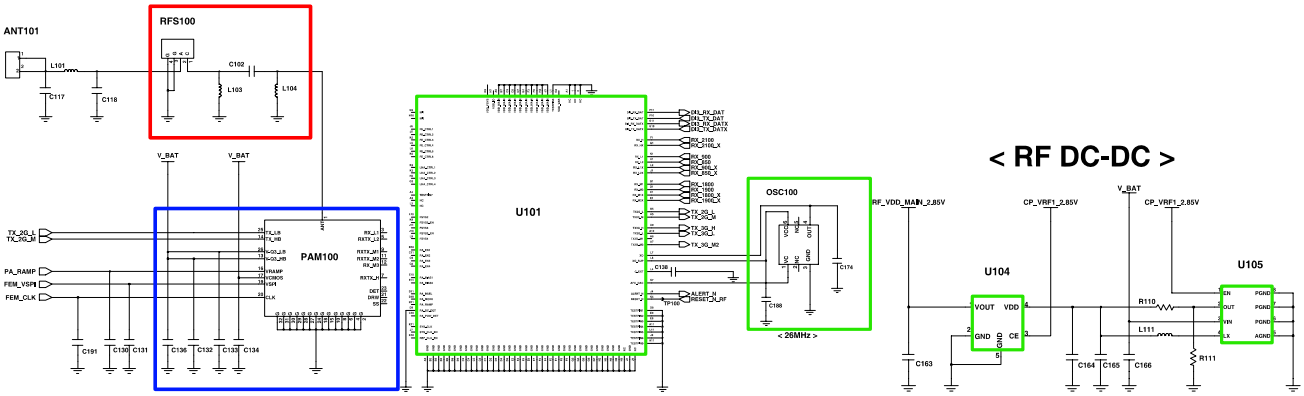

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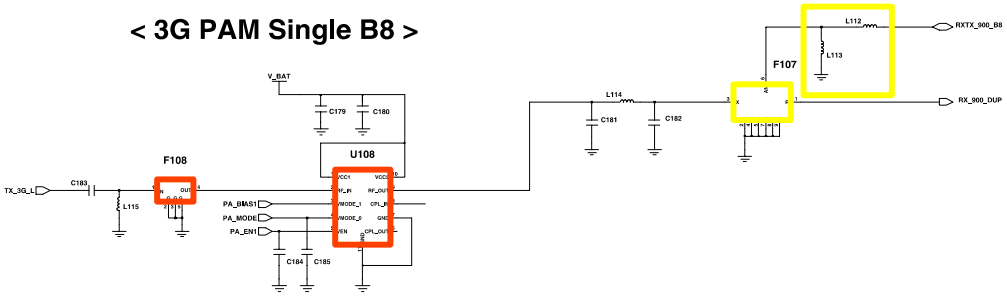

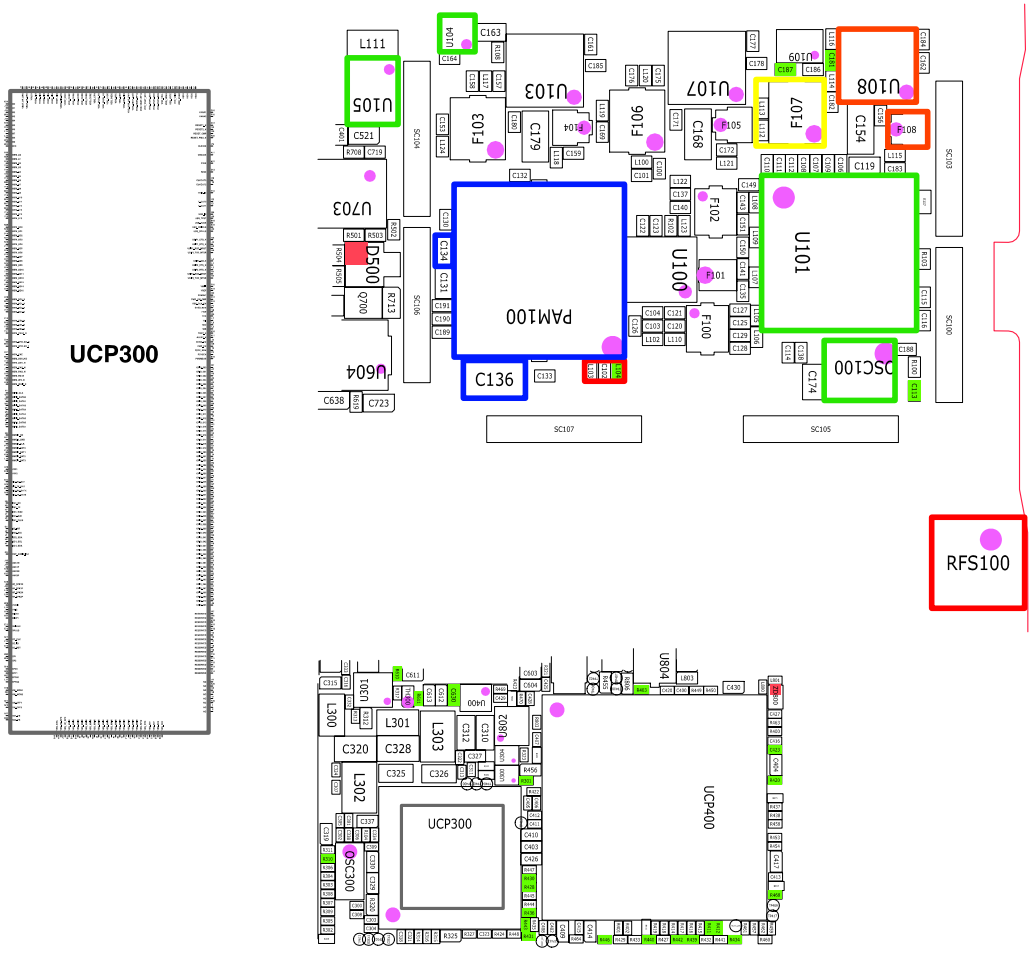

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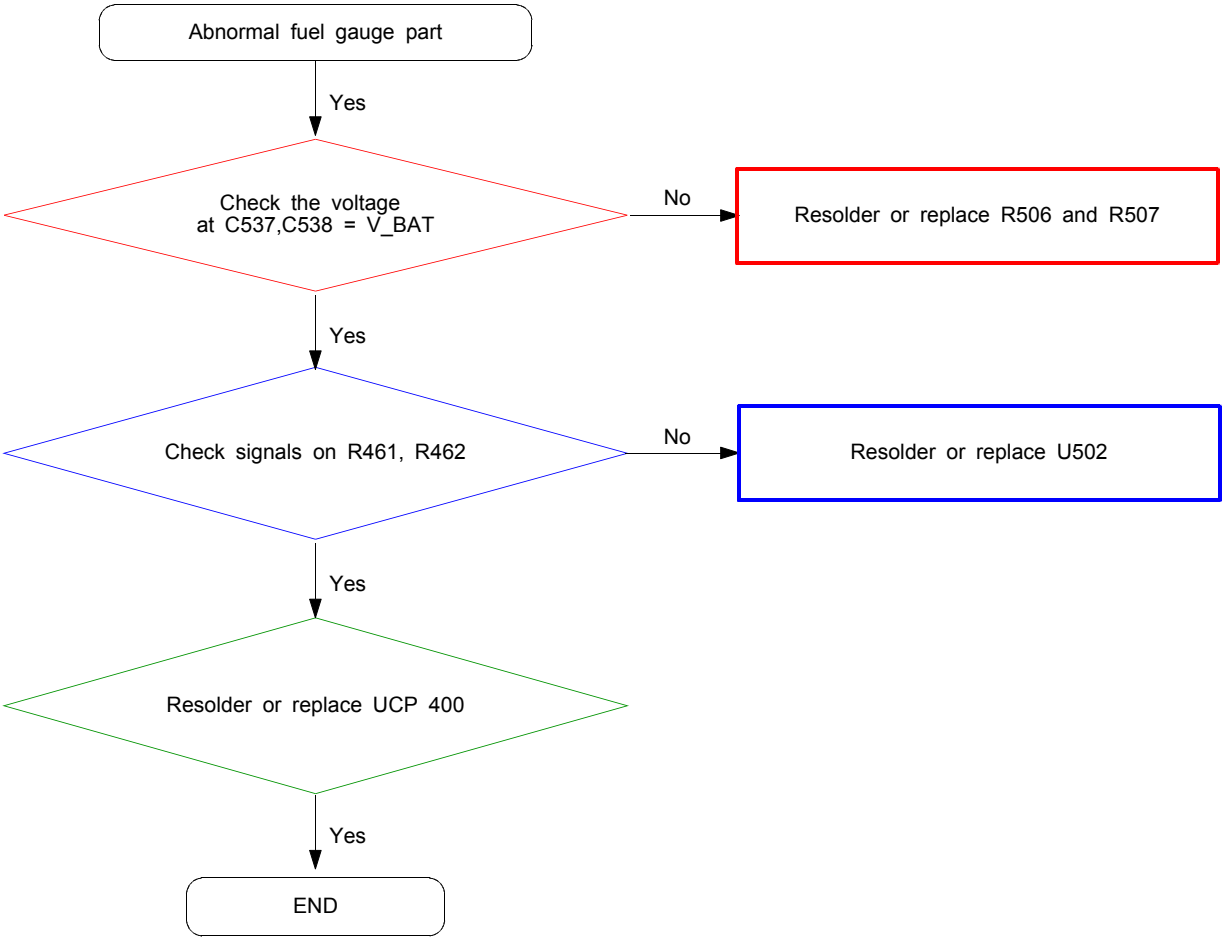
8b-3-23. Fuel Gauge Part



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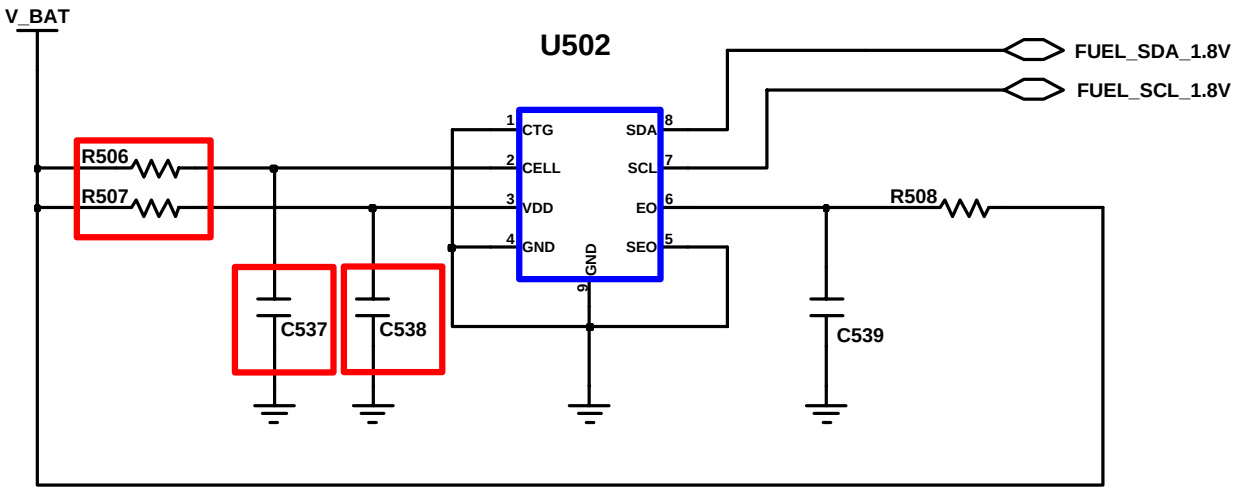

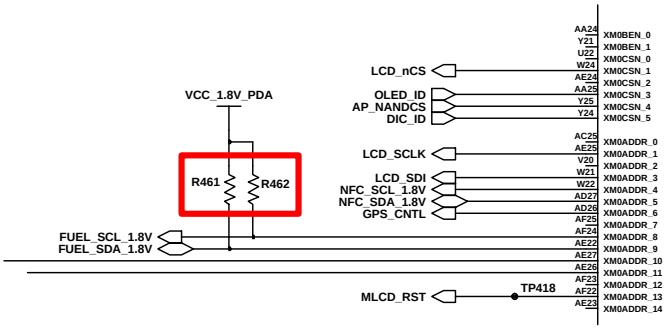

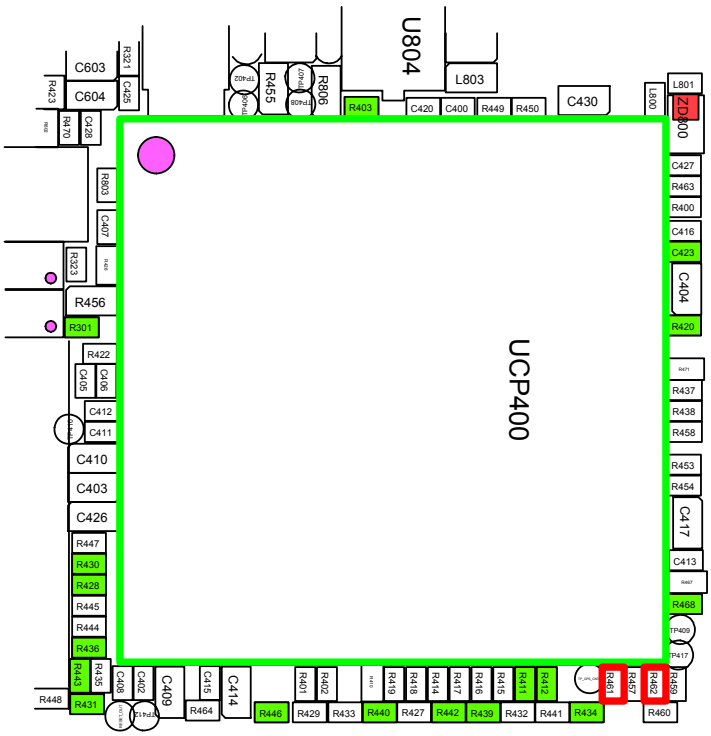

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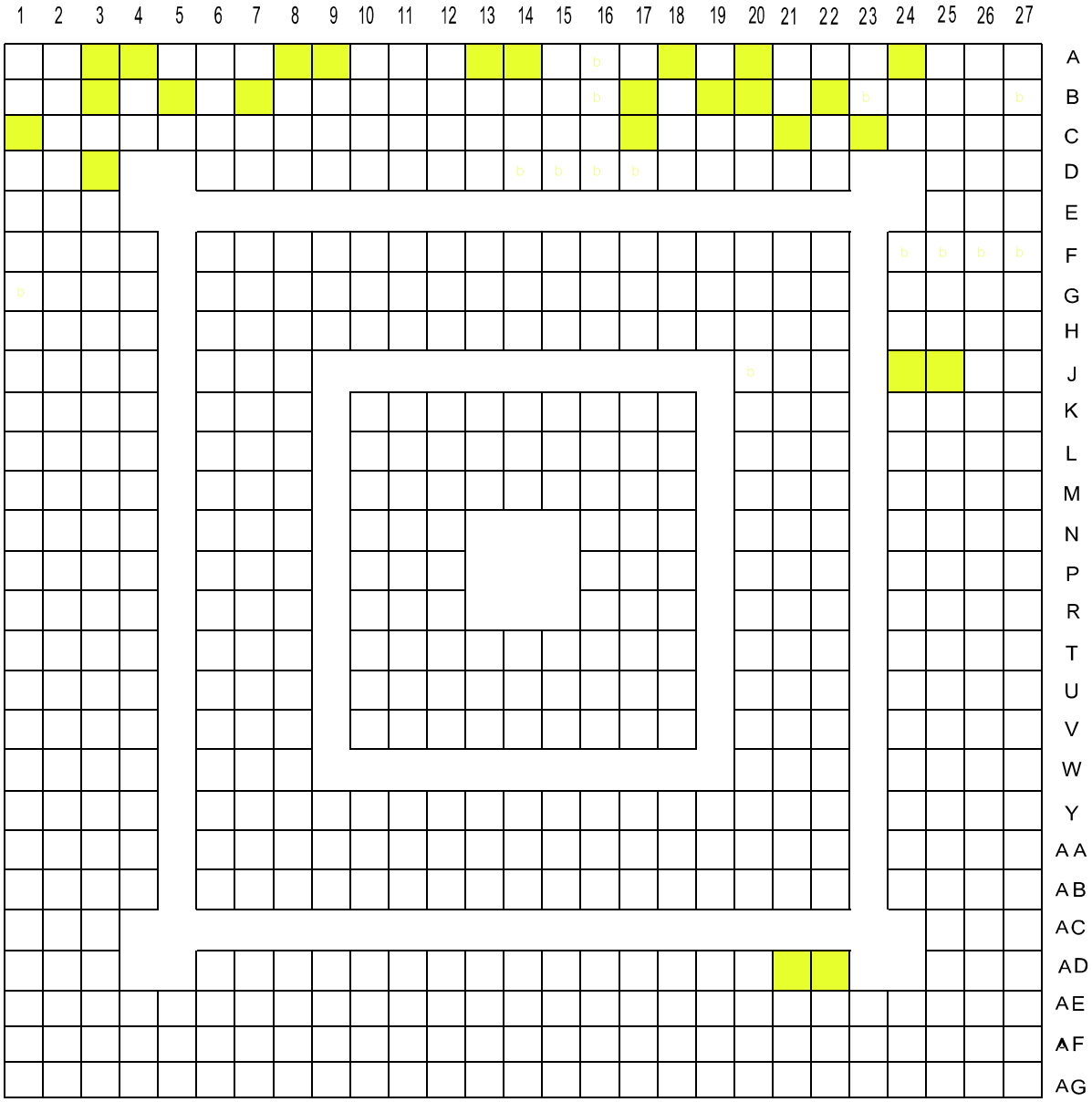
8b-4. Service Schematics

-NC Point(Top View)-

: NC

UCP400



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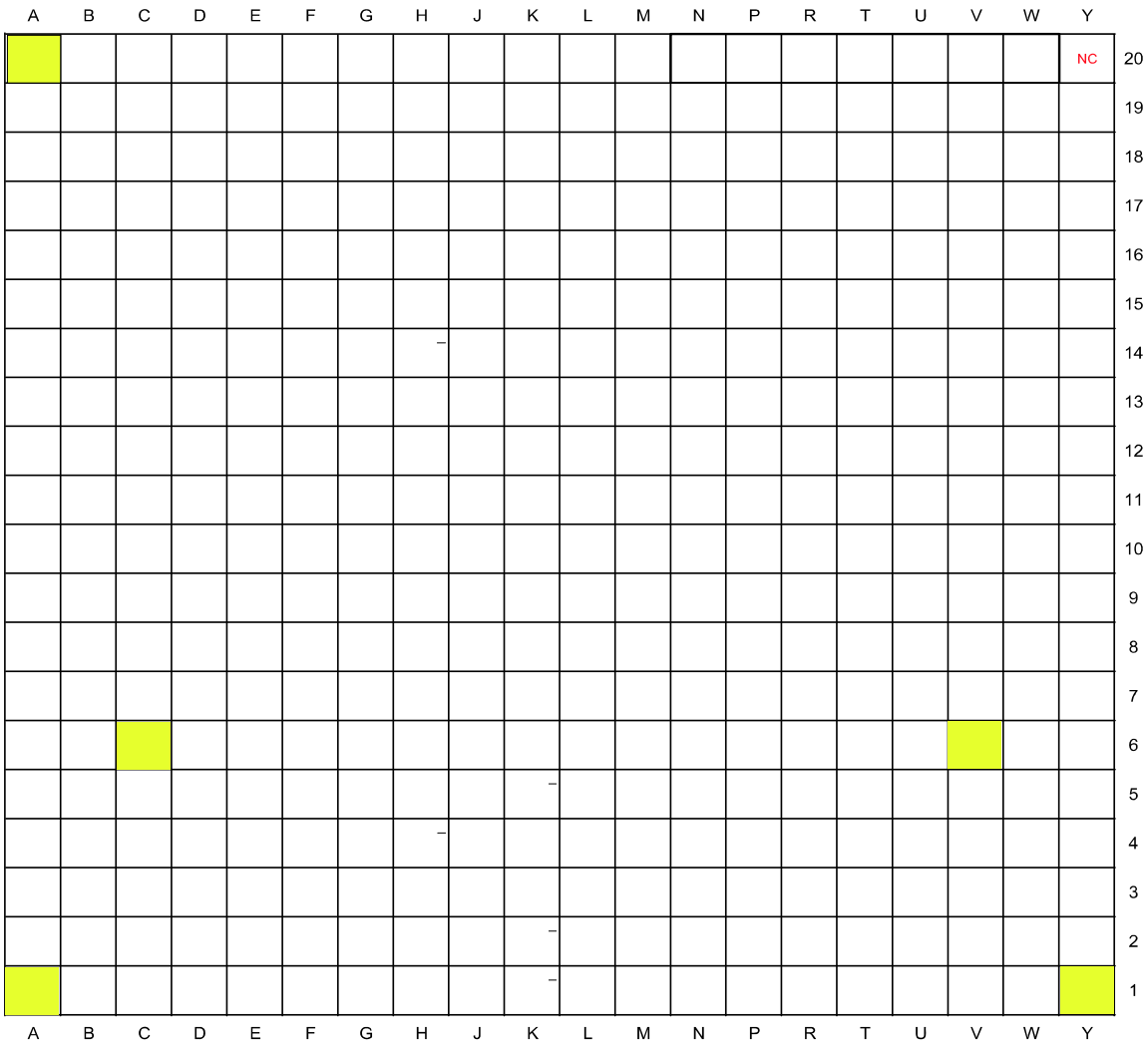
: NC

UCP300



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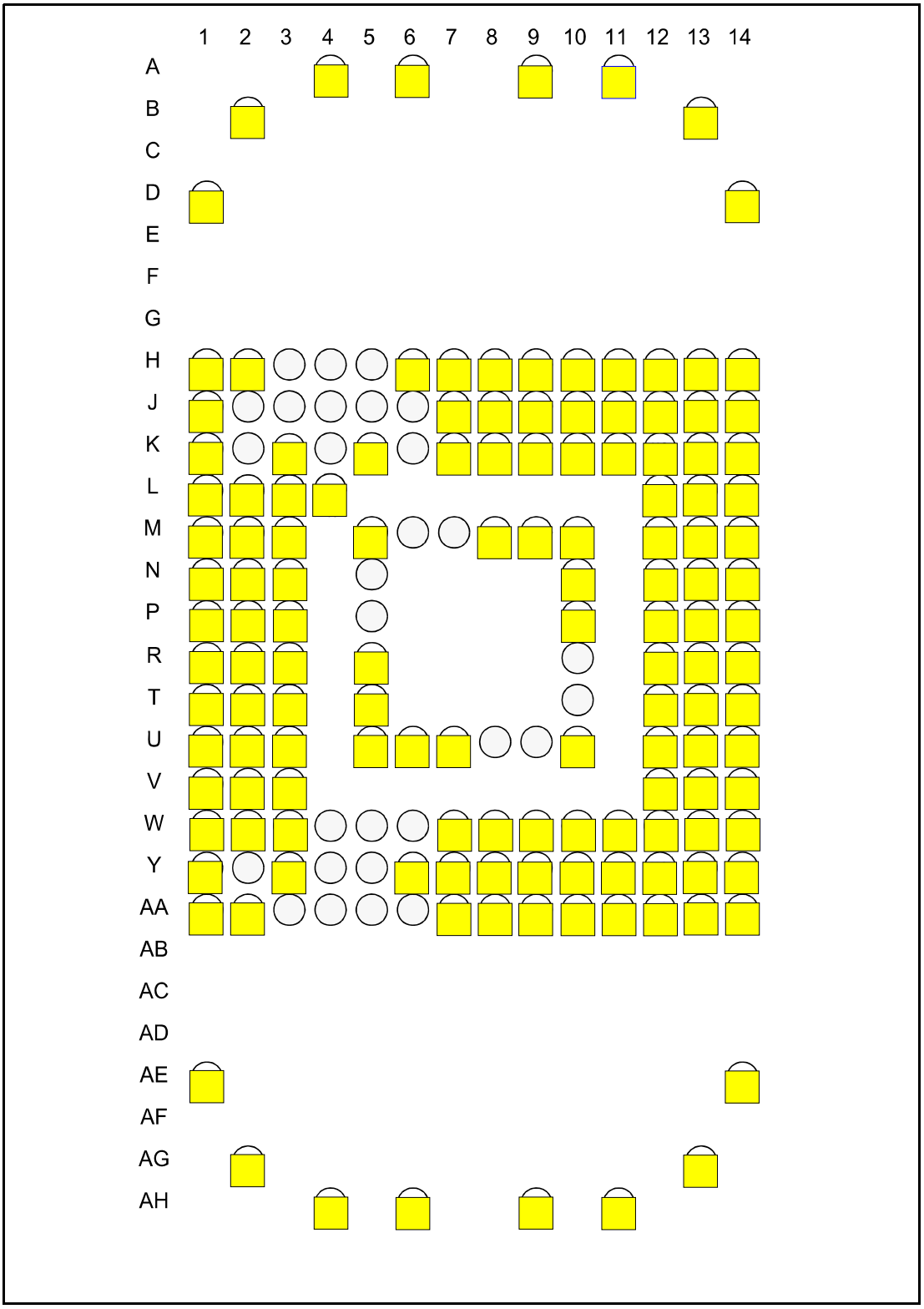
NC : NC

U303



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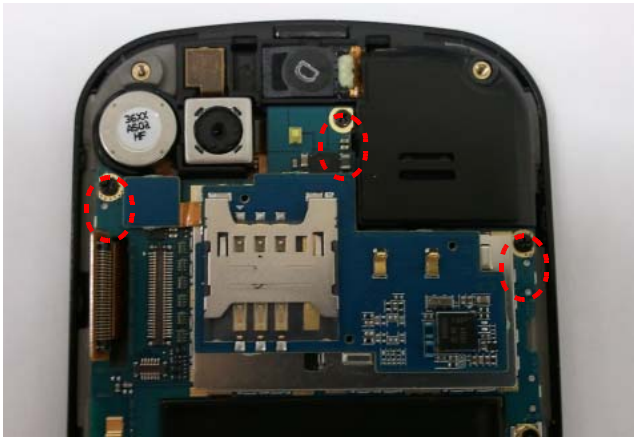
7. Level 2 Repair

7-1. Disassembly and Assembly Instructions

7-1-1. Disassembly

1 Loosen 6 rear screws	2 Separates the Rear cover from the set using the jig.
1) M1.4 X L4.0 SCREW Torque: 1.2 ~ 1.4kgf.cm	1) Be careful not to make a damage to the rear cover by jig.
3 Detach LCD connector and Touch key FPCB connector from PBA	4 Loosen 2 screws on PBA 
1) Be careful with FPCB separation.	1) Be careful with PBA. ※ M1.4 X L3 SCREW Torque: 1.1 ~ 1.3kgf.cm

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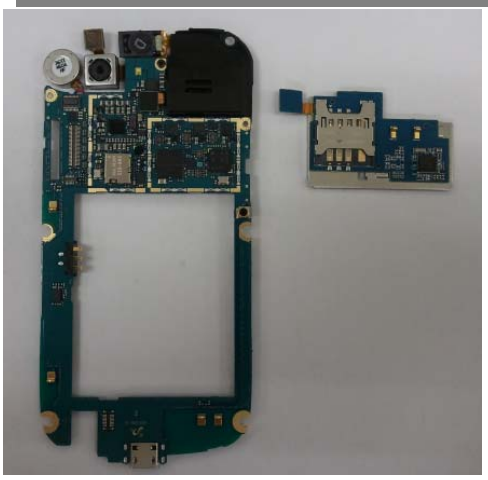
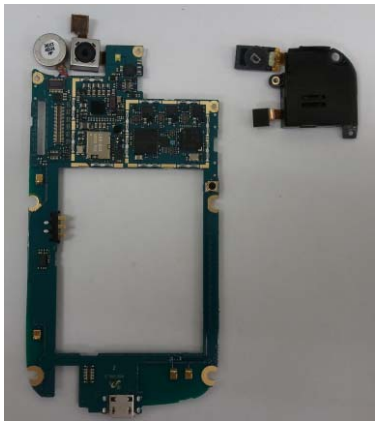
5 Detach PBA from LCD bracket. 	6 Detach connector and separate Sim socket FPCB and shield-cover from PBA. 
1) Be careful when Motor, Receiver and Camera separate.	1) Be careful not to make a damage when shield-cover separate from PBA.
7 Loosen a screw on speaker module and separate the speaker module from PBA. 	8 Finished.
1) Be careful with connector and FPCB of speaker module. ※ M1.4 X L3 SCREW Torque: 1.1 ~ 1.3kgf.cm	1) Be careful of a damage on LCD connector.

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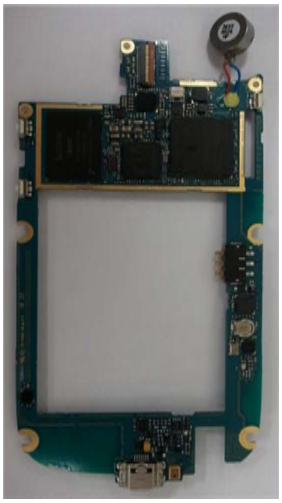
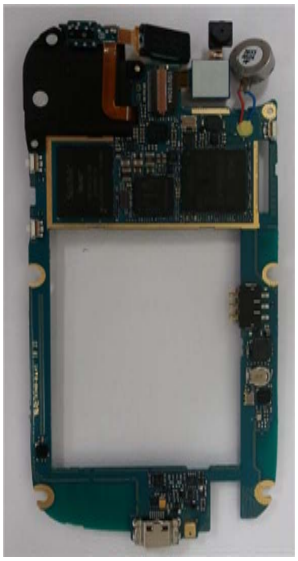
7-1-2. Assembly

1 Soldering and bondinf motor on PBA. 	2 Attach speaker module on PBA and tighten a screw.
1) Be careful not to make a damage to components by soldering iron.	1) Be careful with PBA. ※ M1.4 X L3 SCREW Torque: 1.1 ~ 1.3kgf.cm
3 Attach camera module. 	4 Put on Sim socket FPCB and shield-cover on PBA and attach connector.
1) Be careful of components near soldering section.	1) Be careful with PBA.

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5 Put PBA on Front Ass'y. 	6 Connect LCD and Touch key FPCB on PBA and tighten screws.
1) Adjust the PBA to 2 POINT on Front Ass'y.	1) Push the connector with sound '??' to avoid incompletion of insert. SCREW Torque: 1.1 ~ 1.3kgf.cm
7 Attach Rear cover on set and tighten screws. 	
1) Be careful of appearance faulty ※ M1.4 X L4.0 SCREW Torque: 1.2 ~ 1.4kgf.cm	

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